

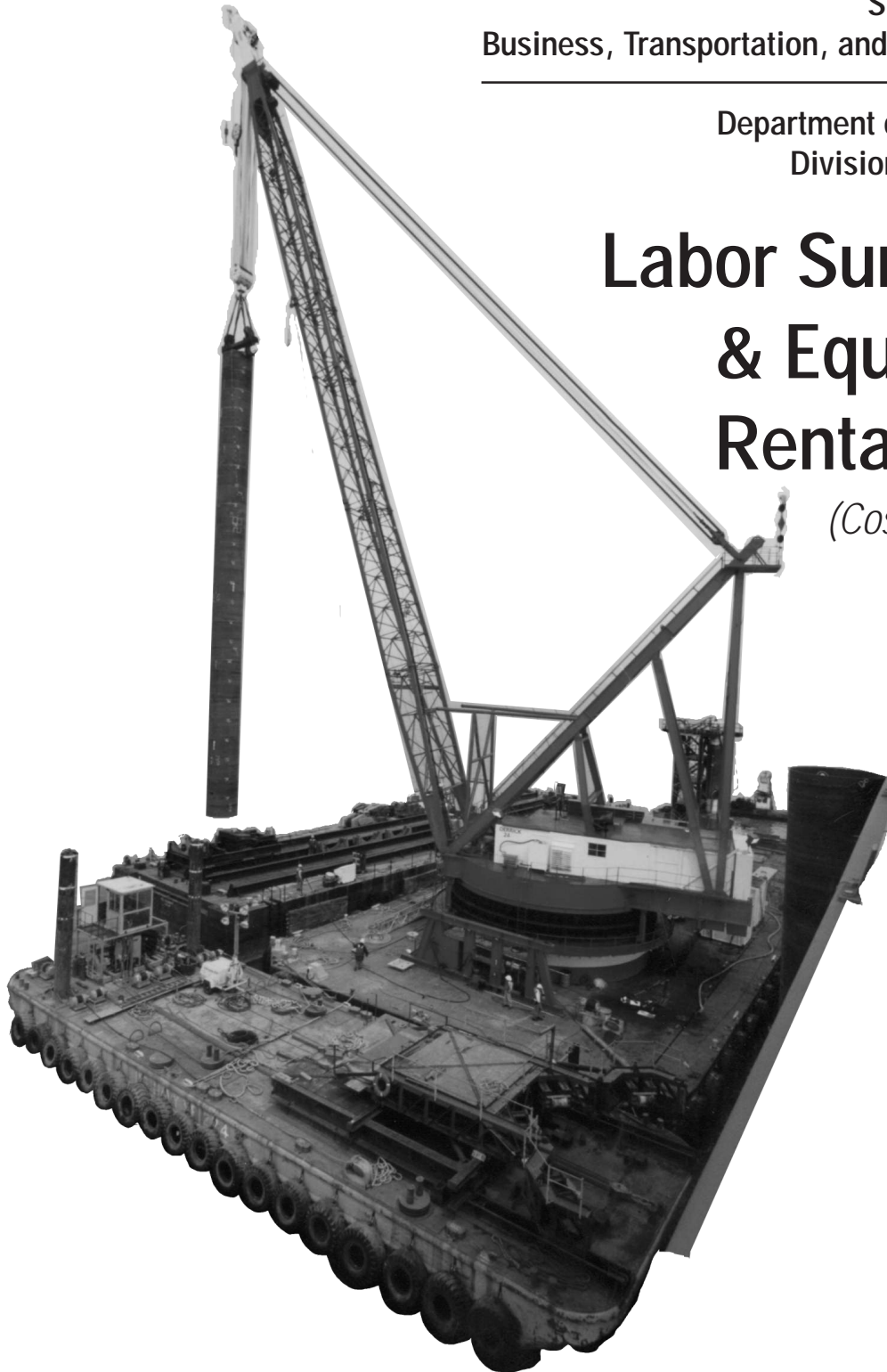
State of California  
Business, Transportation, and Housing Agency

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Department of Transportation  
Division of Construction

# Labor Surcharge & Equipment Rental Rates

*(Cost of Equipment  
Ownership)*



Effective April 1, 2002 Through March 31, 2003

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**USER'S GUIDE**  
**FOR LABOR SURCHARGE AND EQUIPMENT RENTAL RATES**  
**April 1, 2002 - March 31, 2003**

Equipment Rental Rates are available on the Internet at:

**<http://www.dot.ca.gov/hq/construc/>**

For additional copies of the "Labor Surcharge and Equipment Rental Rates", send \$9.00 per book (tax included) to:

**CALTRANS PUBLICATIONS**  
**1900 ROYAL OAKS DRIVE**  
**SACRAMENTO, CALIFORNIA 95815**

or by **VISA or MASTERCARD** by telephone at (916) 323-5606

## **Changes**

Changes to the equipment rates in the April 1, 2002 book were the result of: 1) fuel costs decreased; 2) interest rates decreased; 3) Producers' Price Index increased; 4) sales tax increased; and 5) no change in freight (F.O.B.) rates. Additionally, newer equipment models were added. The Clam action bucket ( **CB** ) attachment was modified.

## **Labor Surcharge**

The labor surcharge compensates the contractor for statutory payroll items stipulated by various governmental agencies. The six items included are Workers' Compensation, Social Security, Medicare, Federal Unemployment, State Unemployment, and State Training taxes. The general rate is an average of the job classifications common to Caltrans projects. Changes to the labor surcharge in the April 1, 2002 book were the result of an increase in Worker's Compensation rates. The rates were derived from using the pure premium rate approved by the Insurance Commissioner effective January 1, 2002 and increasing it by the historical statewide average expense. In the calculation of the labor surcharge for overtime work, the Worker's Compensation is not included on the premium portion of overtime, as provided by Worker's Compensation regulations.

The surcharge percentage to be applied to the actual wages paid as provided in Section 9-1.03A(1b) of the Standard Specifications will **be 17 percent for regular time (RT) and 15 percent for overtime (OT)**.

Exceptions to the general rate are listed below. The classifications were chosen because of very high Workers' Compensation Insurance costs. Contractors will be compensated at their employees worker's compensation rating, regardless of work being performed (e.g. "Drilling Contractor" performing traffic control will be compensated at the Drilling Surcharge rate). Questions or disputes should be directed to the Resident Engineer.

## EXCEPTIONS

<b><u>Type of Work Performed</u></b>	<b><u>Labor Surcharge Percent</u></b>	
	<b>RT</b>	<b>OT</b>
Concrete Construction - Bridge .....	<b>22</b>	<b>19</b>
Drilling .....	<b>24</b>	<b>21</b>
Fence & Guardrail Construction .....	<b>22</b>	<b>19</b>
Erection of structural metal for metal bridges, excluding sign bridge .....	<b>23</b>	<b>20</b>
Landscape Gardener .....	<b>18</b>	<b>15</b>
Mobil Crane & Hoist Service .....	<b>22</b>	<b>19</b>
Painting Steel Structures or Bridges .....	<b>23</b>	<b>20</b>
Pile Driving, not including drilled, cast-in-place concrete piles .....	<b>21</b>	<b>18</b>
Sign Erection or Repair .....	<b>26</b>	<b>22</b>
Wrecking & Demolition .....	<b>19</b>	<b>16</b>

For work that is determined by the Engineer to be covered by Longshoreman and Harbor Worker's Act, an appropriate labor surcharge will be established by the Engineer.

## Background

By the authority described in Standard Specifications Section 9-1.03A, compensation for extra work is determined to be the total of the direct equipment costs (rental rate) plus a 15 percent markup for all overhead not included as direct costs. The direct costs include fuel, oil, lubrication, supplies, small tools, necessary attachments, repairs and maintenance, depreciation, storage, cost of facilities capital, overhaul and all incidentals. The labor costs required to provide the above listed items are also included. The operator cost is not included in the equipment rate.

The calculated rate represents the cost of owning and operating the equipment, which is likely to be lower than the rate charged by a rental yard. The rental yard rate may include additional overhead and profit as well as a premium for short-term rentals. In certain situations, factors are applied to the calculated rates to provide ownership-only rates for delay situations or operating-only rates for overtime situations. The rates are calculated using factors for the direct cost items described above. The factors represent an average and are applied to all makes and models of equipment within the class. **All rates are hourly, unless stated otherwise.**

## Overtime and Multiple Shifts

Certain equipment costs are fixed on an annual basis, no matter how many hours are worked. Once an estimate of the costs and hours of use is made, a rate can be determined. When more than the estimated number of hours are worked (Overtime or Multiple Shift), a duplication of payment occurs on the fixed cost portion of the equipment rate.

In order to avoid this duplication, Caltrans uses a reduced rate for the Overtime or Multiple Shift situations. The definition of the Overtime or Multiple Shift periods will be:

**Overtime hours occur after the equipment has worked at force account, eight hours per day (or after the daily equivalent of forty hours per week for special work schedules - 4/10 or 9/80). Multiple shift hours will be paid at the same rate as overtime hours.**

The hours shown on the Daily Extra Work Bill will determine when the Overtime and Multiple Shift is to be used. **When the hours worked on force account are eight or less, straight time rates will be used.** When the hours worked on force account are more than eight, Overtime and Multiple Shifts rates will be used. Saturday, Sunday or holiday work will be paid at the overtime rate except in those cases where these days are considered working days in the special provisions.

Be advised the computed overtime rates are no longer rounded and now equal the product of the straight time rate and overtime factor. The Overtime and Multiple Shift Factors are recalculated annually to reflect changes in the operating costs.

## Right of Way Delay

As described in Section 8-1.09 of the Standard Specifications, the Right of Way Delay Factor applied to the equipment rental rate will be the basis for compensation for idle equipment time on Right of Way Delays. The factor has been calculated to include the ownership costs without including operating costs. The Right of Way Delay Factor recovers all the contractor's non-operating costs in an eight hour day. Payment for equipment on Right of Way Delay is limited to eight hours per day or forty hours per week maximum.

The NONOP class for non-operated items and the TRAFIC class for traffic safety devices have been separated from traditional "rolling stock" equipment when calculating the Delay Factor. These classes are comprised of items whose depreciable lives are related to the number of uses per year, rather than the number of hours per year. Accordingly, the reasonable compensation for the Contractor's actual loss has been estimated to equal the cost of facilities capital. **It should be recognized that these items must be out of service before the Delay Factor is applied. For example, if work behind K-rail is delayed, the K-rail should be paid straight time until it is no longer controlling traffic.**

Any use of this factor must have the prior approval of the Resident Engineer. The Right of Way Delay Factor is recalculated annually to reflect changes in the operating costs.

## Use of Daily Extra Work Bill

Identification codes and rates are intended to be used with the Caltrans Daily Extra Work Bill (CEM-4902 Series). The class is abbreviated using a 5 digit alpha-code, the make (manufacturer), a 4 digit alpha-code, and the code a 7 digit alpha-numeric code. All three codes must be used to define the equipment when using the automated pay system. Since the majority of items are described by per hour rates, each line has an entry for hours with an allowable maximum of 24. Special items with other than hourly rates should be appropriately checked and then entered in the Regular Hours column. For example, 50 Traffic Cones used 3 days (converts to 1.5, 100-cone-days) requires 1.5 be entered in the Regular Hours column. Note that any entry in the Delay Factor column will automatically apply the Delay Factor to every equipment entry on the current report.

Whenever an identification code cannot be found or the rate for a particular date of work performed is not available, updated information should be requested from the Resident Engineer. It is the Resident Engineer's responsibility to establish rates for equipment not found in the Labor Surcharge and Equipment Rental Rates publication. Support for this determination is available from both District and Headquarters Construction Offices. **Rates are regularly superseded during contract periods, so use of old publications or expired rates should be avoided.**

The equipment is presented with a standard configuration capable of performing work commonly encountered on Caltrans projects. Special attachments or accessories are described under the classification heading in the Labor Surcharge and Equipment Rental Rate book. Attachments other than those described by these remarks will be paid only upon direction of the Resident Engineer.

# EQUIPMENT RENTAL RATES

**NOTE--THE FOLLOWING RATES ARE IN EFFECT FROM APRIL 1, 2002 THROUGH MARCH 31, 2003**

## ATTACHMENTS

TRACTOR ATTACHMENTS -including power control units and accessories necessary to provide a functional attachment. Dozer blades are included in the standard configuration for both crawler and heavy, rubber tire tractors. Rippers are listed from R1 to R8 and Winches for logging or towing are listed from S1 to S5. Equipment model groups are as follows:

1. Case 300 Thru 800 Series, Cat D-2 thru D-4, Deere 400 & 450, Dresser TD-7, TD-8 and TD-9, Fiat-Allis FD-5 Thru FD-7, Komatsu D21E Thru D37P, Liebherr PR711 & PR721.
2. Case 1150, Cat D-5, Deere 750, Dresser TD-12, Fiat-Allis FD9 & 10, Komatsu D58P, Liebherr PR731.
3. Case 1450 and 1550, Cat D-6, Deere 850, Dresser TD-15, Komatsu D63PE Thru D68P, Liebherr PR741.
4. Cat D-7 & 814, Dresser TD-20, Fiat-Allis 14 & FD14, Komatsu D83P, Terex 82-30
5. Cat D-8 & 824, Dresser TD-25, Fiat-Allis FD20 Komatsu D135A, Terex 82-40 Michigan 280, Raygo CHD 17 & CD-500.
6. Cat D-9 & 834, Fiat-Allis FD30, Raygo CHD 24 & CD 800.
7. Cat D-10, Dresser TD-40, Fiat-Allis FD40, Komatsu 375, Michigan 380, Raygo CDH 30.
8. Cat D-11, Fiat-Allis FD50, Komatsu 475

Model	Code	Rate
Clam action bucket 1 CY & Less	<b>C1</b>	\$3.11
Clam action Over 1 CY to 2 CY	<b>C2</b>	\$5.48
Clam action Over 2 CY to 3.5 CY	<b>C3</b>	\$7.93
Clam action Over 3.5 CY to 5 CY	<b>C4</b>	\$11.30
Clam action bucket Over 5 CY	<b>C5</b>	\$15.62
Ripper on No. 1 models	<b>R1</b>	\$1.87
Ripper on No. 2 models	<b>R2</b>	\$2.45
Ripper on No. 3 models	<b>R3</b>	\$4.08
Ripper on No. 4 models	<b>R4</b>	\$4.64
Ripper on No. 5 models	<b>R5</b>	\$7.61
Ripper on No. 6 models	<b>R6</b>	\$12.02
Ripper on No. 7 models	<b>R7</b>	\$13.94
Ripper on No. 8 models	<b>R8</b>	\$23.16
Winch on No. 1 models	<b>S1</b>	\$2.21
Winch on No. 2 models	<b>S2</b>	\$3.30
Winch on No. 3 models	<b>S3</b>	\$4.37
Winch on No. 4 models	<b>S4</b>	\$5.61
Winch on No. 5 models	<b>S5</b>	\$9.82
Lift gate	<b>TG</b>	\$0.64
Pump, water truck only	<b>TP</b>	\$4.37
Winch, truck	<b>TW</b>	\$0.23

Gas welding hose per 15.2 m (50 lf)	<b>WH</b>	\$0.01
Elec welding lead per 30.5 m (100 lf)	<b>WL</b>	\$0.14

## AIR COMPRESSORS

[ AIRCP ]

**DELAY FACTOR = 0.24 OVERTIME FACTOR = 0.78**

All types of self contained units, regardless of power(gas, diesel and lpg) or type of compression(reciprocating, screw and vane). The listed rates include 15.2 meters (50 lineal feet) of hose, all hose whips, fittings, couplings and any compressor attachments. Listed in accordance with Mfr's rated capacity in liters per second (cubic feet per minute) at 7 bar (100 psi).

### PORTABLE

[ PORT ]

OVER	TO	Code	Rate
0	19 (40)	<b>000-004</b>	\$2.06
19 (40)	76 (160)	<b>004-016</b>	\$7.72
76 (160)	118 (250)	<b>016-025</b>	\$8.92
118 (250)	212 (450)	<b>025-045</b>	\$16.65
212 (450)	354 (750)	<b>045-075</b>	\$26.41
354 (750)	566 (1200)	<b>075-120</b>	\$40.69
566 (1200)	708 (1500)	<b>120-150</b>	\$52.01

## AIR DRILLS, CRAWLER

[ AIRDL ]

**DELAY FACTOR = 0.53 OVERTIME FACTOR = 0.51**

All types, pneumatically propelled, including attachments. Expendable carbon drill steel, bits and shanks shall be paid by separate invoice. Rated in accordance with the cylinder bore diameter in millimeters(inches).

### CRAWLER DRILLS

[ CLR ]

OVER	TO	Code	Rate
0	100 (4)	<b>0-4</b>	\$19.10
100 (4)	& Over	<b>5</b>	\$19.52

## AIR TOOLS

[ AIRTO ]

**DELAY FACTOR = 0.63 OVERTIME FACTOR = 0.39**

All types including paving breakers, clayspades and diggers, sinker rock drills, trench diggers, sheeting/spike drivers, backfill tampers and hand held grinding tools. Expendable drill steel, bits and breakers points, grinding wheels and shanks shall be paid by separate invoice. Rated by tool weight in kilograms (pounds), determined in accordance with the Mfr's specifications.

### AIR TOOLS

[ ATOL ]

OVER	TO	Code	Rate
0	4.5 (10)	<b>0-10</b>	\$0.31
4.5 (10)	9.1 (20)	<b>10-20</b>	\$0.34
9.1 (20)	13.6 (30)	<b>20-30</b>	\$0.61
13.6 (30)	18.1 (40)	<b>30-40</b>	\$0.72
18.1 (40)	27.2 (60)	<b>40-60</b>	\$0.77
27.2 (60)	& Over	<b>60</b>	\$1.09

**ASPHALT DIKE & SHOULDER PAVERS [ ASDSP ]****DELAY FACTOR = 0.21 OVERTIME FACTOR = 0.83**

Includes all attachments, accessories and automatic grade and line control.

**A.C. DIKE COMPANY [ ACDC ]**

<u>Model</u>	Code	Rate
No. 1	<b>4050</b>	\$35.33
No. 2	<b>4052</b>	\$40.08
Nos. 43, 44	<b>4054</b>	\$64.53

**ASPHALT PAVING COMPANY [ APCO ]**

<u>Model</u>	Code	Rate
E-1	<b>4000</b>	\$63.33
E-2, E3	<b>4002</b>	\$111.49

**BLAW-KNOX [ B-K ]**

<u>Model</u>	Code	Rate
RW-35 / 38	<b>4075</b>	\$47.82
RW-85	<b>4077</b>	\$17.61
RW-95	<b>4079</b>	\$28.42
RW-100	<b>4081</b>	\$64.50
RW-195D	<b>4083</b>	\$85.89

**DELTA [ DLTA ]**

<u>Model</u>	Code	Rate
DC-1	<b>4095</b>	\$96.03

**ASPHALT PAVERS [ ASPAV ]****DELAY FACTOR = 0.27 OVERTIME FACTOR = 0.78**

Includes all attachments, accessories and automatic grade and line control.

**BARBER-GREENE [ B-G ]**

<u>Model</u>	Code	Rate
BG 220	<b>0805</b>	\$65.68
BG 225	<b>0810</b>	\$73.53
BG 240	<b>0815</b>	\$75.92
BG 245	<b>0820</b>	\$86.22
BG 260	<b>0825</b>	\$91.21
BG 260B	<b>0826</b>	\$130.17
BG 265	<b>0830</b>	\$109.53
RT 435, 4wd	<b>0905</b>	\$81.10
RT 445, 4wd	<b>0925</b>	\$83.67
RT 455, 4wd	<b>0945</b>	\$81.58
RT 455, 4wd, 10-20' screed	<b>0955</b>	\$85.55
RT 465, 4wd	<b>0965</b>	\$101.30
SA 125	<b>1419E</b>	\$61.51
SB 131	<b>1420</b>	\$76.72
SB 140	<b>1425</b>	\$90.51
SA 141	<b>1430</b>	\$59.87
SA 145	<b>1432</b>	\$84.04
SA 150	<b>1435</b>	\$102.69

SB 170 **1440** \$97.16**BLAW-KNOX****[ B-K ]**

<u>Model</u>	Code	Rate
PF-22	<b>1490</b>	\$28.25
PF-35	<b>1550</b>	\$48.55
PF-115	<b>1750</b>	\$92.60
PF-120H	<b>2010</b>	\$77.73
PF-171	<b>2090</b>	\$115.64
PF-180	<b>2100</b>	\$39.62
PF-180H	<b>2204</b>	\$126.86
PF-200	<b>2250</b>	\$124.64
PF-200, 18' screed	<b>2252</b>	\$127.70
PF-220	<b>2300</b>	\$122.59
PF-400A	<b>2350</b>	\$111.94
PF-500	<b>2404</b>	\$134.20
PF-500, 18' screed	<b>2406</b>	\$137.48
PF-3200	<b>2410</b>	\$148.89
PF-5510	<b>2415</b>	\$158.70

**CATERPILLAR****[ CAT ]**

<u>Model</u>	Code	Rate
AP-200	<b>2420</b>	\$25.67
AP-800	<b>2430</b>	\$82.58
AP-1050	<b>2431</b>	\$132.40
AP-1000	<b>2435</b>	\$129.75
AP-1000 4wd	<b>2436</b>	\$135.87
AP-1055B	<b>2438</b>	\$155.42
AP-1200	<b>2440</b>	\$100.14

**CEDAR RAPIDS****[ CEDR ]**

<u>Model</u>	Code	Rate
BSF-2H	<b>2550</b>	\$60.82
BSF-3R	<b>2600</b>	\$61.44
CR-351	<b>2668A</b>	\$95.28
CR-351 4wd	<b>2668B</b>	\$99.47
CR-431	<b>2669</b>	\$90.15
CR-551	<b>2670</b>	\$141.21
CR-461	<b>2672</b>	\$139.06
CR-561	<b>2674</b>	\$151.17

**LAYTON****[ LYTN ]**

<u>Model</u>	Code	Rate
F-525	<b>2680</b>	\$13.66
D-550	<b>2682</b>	\$17.04
H-500B	<b>2684</b>	\$6.10



**ASPHALT WINDROW/PICKUP MACHINES [ ASPWP ]****DELAY FACTOR = 0.16      OVERTIME FACTOR = 0.87**

Includes all attachments and accessories.

**ATHEY [ ATHY ]**

<u>Model</u>	Code	Rate
7-11	<b>5000</b>	\$44.24

**BARBER-GREENE [ B-G ]**

<u>Model</u>	Code	Rate
BG-610H	<b>5100</b>	\$39.89

**CATERPILLAR [ CAT ]**

<u>Model</u>	Code	Rate
WE-601B	<b>5200</b>	\$38.95

**CLARK'S WELDING COMPANY [ CLAR ]**

<u>Model</u>	Code	Rate
500	<b>5300</b>	\$29.24
601	<b>5304</b>	\$21.46
Lincoln 660	<b>5305</b>	\$54.56

**C.M.I. [ CMI ]**

<u>Model</u>	Code	Rate
851	<b>5405</b>	\$48.81

**AUGERS, CRAWLER MOUNTED [ AUGCL ]****DELAY FACTOR = 0.42      OVERTIME FACTOR = 0.61**

Includes carrier, attachments and accessories with up to 6.1 meters(20 feet) of auger flights. Consumable bits or tips to be paid by separate invoice.

**BAYSHORE [ BYSH ]**

<u>Model</u>	Code	Rate
8400 TD limited access	<b>1500</b>	\$87.15

**TEXOMA [ TXMA ]**

<u>Model</u>	Code	Rate
TAURUS	<b>2010</b>	\$185.85
700CL	<b>2100</b>	\$108.92

**WATSON [ WATS ]**

<u>Model</u>	Code	Rate
2000CM	<b>2500</b>	\$78.61
2500CM	<b>2505</b>	\$123.56
3000CM	<b>2510</b>	\$140.07
3100CM	<b>2515</b>	\$147.88

**AUGERS, HORIZONTAL [ AUGHZ ]****DELAY FACTOR = 0.40      OVERTIME FACTOR = 0.63**

Includes all attachments and accessories with up to 9.1 meters(30 feet) of auger flight, track and/or pipe pusher. Consumable bits or tips shall be paid by separate invoice. Power unit is included.

**AKKERMAN [ AKMN ]**

<u>Model</u>	Code	Rate
360	<b>5000</b>	\$103.25
420 series 1250	<b>5002</b>	\$106.31

**AMERICAN AUGER [ AMAU ]**

<u>Model</u>	Code	Rate
36-350	<b>5014</b>	\$20.37

**BORZALL [ BORZ ]**

<u>Model</u>	Code	Rate
2300-10	<b>5040</b>	\$5.69
4265-10	<b>5042</b>	\$7.69

**DITCH WITCH [ D-W ]**

<u>Model</u>	Code	Rate
2510	<b>5040</b>	\$36.20

**AUGERS, TRUCK MOUNTED [ AUGTK ]****DELAY FACTOR = 0.34      OVERTIME FACTOR = 0.69**

Includes truck/carrier, all attachments and accessories with up to 6.1 meters(20 feet) of auger flight. Consumable bits or tips shall be paid by separate invoice.

**ATLANTIC [ ATLN ]**

<u>Model</u>	Code	Rate
LDH-80	<b>5000</b>	\$156.38
LDH-100	<b>5005</b>	\$125.84
LLDH-80	<b>5010</b>	\$157.14
LLDH-120	<b>5015</b>	\$170.89

**CALWELD [ CALW ]**

<u>Model</u>	Code	Rate
150-A	<b>5050</b>	\$53.31
200	<b>5052</b>	\$73.79
4500LH	<b>5054</b>	\$118.78

**HUGHES [ HUGH ]**

<u>Model</u>	Code	Rate
EZ 112	<b>5070</b>	\$49.59
EZ 120	<b>5071</b>	\$55.87
LDH-100	<b>5072</b>	\$96.06
LDH-80	<b>5074</b>	\$94.56
LLDH-120	<b>5076</b>	\$141.20
LLDH-80	<b>5078</b>	\$128.10

**P.D.E. [ PDE ]**

<u>Model</u>	Code	Rate
M -100	<b>5084</b>	\$18.91
M-400 with hammer	<b>5085</b>	\$24.71

**TEXOMA [ TXMA ]**

<u>Model</u>	Code	Rate
Economatic 115	<b>5087</b>	\$55.85
Super Economatic	<b>5089</b>	\$51.08
80	<b>5090</b>	\$108.96
270	<b>5093</b>	\$59.07
330	<b>5095</b>	\$59.90
330 with hammer	<b>5095B</b>	\$67.79
500 with hammer	<b>5096B</b>	\$69.76
600	<b>5097</b>	\$77.63
700	<b>5099</b>	\$130.62

**WATSON [ WATS ]**

<u>Model</u>	Code	Rate
1000	<b>6010</b>	\$37.06
2000	<b>6012</b>	\$95.18
3000	<b>6014</b>	\$152.60

**BITUMINOUS DISTRIBUTORS [ BITDT ]****DELAY FACTOR = 0.22 OVERTIME FACTOR = 0.79**Includes all equipment for handling bituminous materials under pressure.  
Includes pumps, spray bars and other attachments and accessories.**TRAILER MOUNTED [ TLMD ]**

Does not include towing unit. Capacity rated in liters (U.S. gallons).

<u>OVER</u>	<u>TO</u>	Code	Rate
0	1136 (300)	<b>0-300</b>	\$3.49

**TRUCK MOUNTED [ TRMD ]**

Including truck. Capacity rated in liters (U.S. gallons).

<u>OVER</u>	<u>TO</u>	Code	Rate
0	3028 (800)	<b>00-08</b>	\$31.08
3028 (800)	5299 (1400)	<b>08-14</b>	\$40.23
5299 (1400)	6831 (1800)	<b>14-18</b>	\$41.90
6831 (1800)	11355 (3000)	<b>18-30</b>	\$43.26
11355 (3000)	15140 (4000)	<b>30-40</b>	\$46.13

**BROOMS & SWEEPING EQUIPMENT [ BRMSW ]****DELAY FACTOR = 0.26 OVERTIME FACTOR = 0.76**

Includes all attachments and accessories with brooms of any type. Includes broom wear.

**BROOMS - MOUNTED & TOWED [ MTTD ]**

Includes traction, PTO or engine driven.

<u>Model</u>	Code	Rate
ALL	<b>ALL</b>	\$12.80

**BROOMS - SELF PROPELLED [ SFPR ]**

<u>Model</u>	Code	Rate
ALL	<b>ALL</b>	\$19.63

**SWEEPERS - SELF PROPELLED, PICK UP [ SWSP ]**

Rated in accordance with hopper size in cubic meters (cubic yards).

<u>OVER</u>	<u>TO</u>	Code	Rate
0	2.3 (3.0)	<b>0-3</b>	\$46.35
2.3 (3.0)	4.6 (6.0)	<b>3-6</b>	\$63.46
4.6 (6.0)	6.9 (9.0)	<b>6-9</b>	\$70.42

**BRUSH CHIPPING & SHREDDING MACHINES [ BRUCP ]****DELAY FACTOR = 0.15 OVERTIME FACTOR = 0.86**

Includes all attachments, accessories and power unit. Rated in accordance with the cutter head width in millimeters(inches)

**BRUSH CHIP & SHRED [ BCSM ]**

<u>OVER</u>	<u>TO</u>	Code	Rate
0	230 (9)	<b>00-09</b>	\$12.43
230 (9)	300 (12)	<b>09-12</b>	\$18.26
300 (12)	405 (16)	<b>12-16</b>	\$18.49

**COMPACTORS, HAND GUIDED [ COMHG ]****DELAY FACTOR = 0.30 OVERTIME FACTOR = 0.71**

Includes pan, vibrating plate, rammer and jumping jack type compactors(gas or diesel). Includes all attachments and accessories. Listed in accordance with the weight in kilograms(pounds)

**COMPACTORS [ COMP ]**

<u>OVER</u>	<u>TO</u>	Code	Rate
0	113 (250)	<b>0-250</b>	\$1.78
113 (250)	& Higher	<b>250</b>	\$4.97

**CONCRETE MIXERS [ CONMX ]****DELAY FACTOR = 0.21 OVERTIME FACTOR = 0.81****STATIONARY OR PORTABLE [ SORP ]**

Rated by Mfr's capacity in cubic meters (sacks or cubic feet).

<u>OVER</u>	<u>TO</u>	Code	Rate
0	0.10 (3.5)	<b>0-3.5</b>	\$0.89
0.10 (3.5)	0.17 (6.0)	<b>03.5-6</b>	\$1.39
0.17 (6.0)	0.31 (11)	<b>06-11</b>	\$1.82
0.31 (11)	0.45 (16)	<b>11-16</b>	\$2.60

**TRANSIT MIX [ TRMX ]**

PTO type, including carrier. Rated by Mfr's capacity in cubic meters (cubic yards).

<u>OVER</u>	<u>TO</u>	Code	Rate
6.4 (9)	7.6 (10)	<b>09-10</b>	\$72.64
7.6 (10)	9.2 (12)	<b>10-12</b>	\$69.00

**CONCRETE PUMPS****[ CONPM ]****DELAY FACTOR = 0.29      OVERTIME FACTOR = 0.74**

Includes truck/carrier or self powered trailer mounted units. Including attachments, accessories and hoses.

<b>ELBA</b>	<b>[ ELBA ]</b>		
<u>Model</u>	Code	Rate	
K-8020	<b>1000</b>	\$55.39	
<b>MAYCO</b>	<b>[ MACO ]</b>		
<u>Model</u>	Code	Rate	
C-30HD	<b>1020</b>	\$9.21	
LST-30/60S	<b>1024</b>	\$16.53	
<b>SCHWING</b>	<b>[ SHWG ]</b>		
<u>Model</u>	Code	Rate	
BPA-1000	<b>1050</b>	\$24.42	
WP-1000X	<b>1052</b>	\$29.14	
900-1200 w/28 m boom	<b>1055</b>	\$72.53	
900-1200 w/32 m boom	<b>1057</b>	\$77.20	
BPL 1200 w/36 m boom	<b>1058</b>	\$83.18	
<b>THOMSEN</b>	<b>[ THOM ]</b>		
<u>Model</u>	Code	Rate	
A-3.75 w/ mixer	<b>1070</b>	\$12.48	
A-7	<b>1072</b>	\$9.61	
11 pump w/28 m boom	<b>1078</b>	\$83.21	
12 pump w/32 m boom	<b>1082</b>	\$90.96	
14 pump w/36 m boom	<b>1084</b>	\$137.41	

**CONCRETE SLIPFORM PAVERS****[ CONSF ]****DELAY FACTOR = 0.30      OVERTIME FACTOR = 0.74**

Includes all attachments and accessories. Detached, independently powered finished bridges or spray/tyne machines are not included.

<b>C.M.I.</b>	<b>[ CMI ]</b>		
<u>Model</u>	Code	Rate	
SF-250	<b>2002</b>	\$117.12	
SF-350 series 2	<b>2004</b>	\$208.74	
SF-550	<b>2006</b>	\$262.06	
<b>GOMACO</b>	<b>[ GOMA ]</b>		
<u>Model</u>	Code	Rate	
GP-2000	<b>2020</b>	\$107.39	
GP-2500	<b>2022</b>	\$126.10	
GP-3500	<b>2024</b>	\$188.96	

**CONCRETE VIBRATORS****[ CONV B ]****DELAY FACTOR = 0.44      OVERTIME FACTOR = 0.58**

Includes all attachments and accessories. Includes vibrator motor but independent power, whether air or electric, shall be paid as a separate item.

<b>CONCRETE VIBRATORS</b>	<b>[ CVIB ]</b>		
<u>Model</u>	Code	Rate	
Each Vibrating Head	<b>EVHD</b>	\$0.60	

**CURB EXTRUSION MACHINES****[ CRBEX ]****DELAY FACTOR = 0.31      OVERTIME FACTOR = 0.74**

Self propelled for asphalt or concrete curb and gutter section. Includes attachments, accessories and molds. Rated by Mfr's maximum width recommendations in millimeters (inches).

<b>CURB EXTRUSION MACHINE</b>	<b>[ CEM ]</b>		
<u>OVER</u>	<u>TO</u>	Code	Rate
0	460 (18)	<b>0-18</b>	\$19.10
460 (18)	& Over	<b>18 PLUS</b>	\$54.98

**CONCRETE BARRIER SLIPFORM PAVERS [ CRBSF ]****DELAY FACTOR = 0.31      OVERTIME FACTOR = 0.74**

Includes all attachments, accessories and barrier or curb molds.

<b>C.M.I.</b>	<b>[ CMI ]</b>		
<u>Model</u>	Code	Rate	
SF-175	<b>3000</b>	\$89.66	
<b>CURBMASTER</b>	<b>[ CURB ]</b>		
<u>Model</u>	Code	Rate	
CMT-800	<b>3020</b>	\$59.51	
<b>GOMACO</b>	<b>[ GOMA ]</b>		
<u>Model</u>	Code	Rate	
GT-6000-(78&90)	<b>3040</b>	\$60.12	
COMMANDER II	<b>3045</b>	\$70.18	
COMMANDER III	<b>3050</b>	\$94.41	
<b>MILLER FORMLESS</b>	<b>[ MILL ]</b>		
<u>Model</u>	Code	Rate	
M-7500	<b>3063</b>	\$74.67	
M-8100	<b>3065</b>	\$95.78	
M-8800	<b>3067</b>	\$134.95	

## ELECTRIC GENERATORS & LIGHT [ ELGEN ] PLANTS

**DELAY FACTOR = 0.22 OVERTIME FACTOR = 0.80**

Rates are for gas or diesel power and alternating or direct current.

### GENERATOR [ GEN ]

Rated in accordance with Mfr's output in kilowatts.

OVER	TO	Code	Rate
0	1	<b>000-001</b>	\$0.37
1	3	<b>001-003</b>	\$0.82
3	7.5	<b>003-008</b>	\$1.74
7.5	15	<b>008-015</b>	\$3.94
15	25	<b>015-025</b>	\$6.12
25	50	<b>025-050</b>	\$6.45
50	100	<b>050-100</b>	\$11.00
100	200	<b>100-200</b>	\$21.30
200	300	<b>200-300</b>	\$34.87
300	400	<b>300-400</b>	\$48.32
400	500	<b>400-500</b>	\$61.01

### LIGHTS [ LITE ]

Includes trailer, pole and generator.

Model	Code	Rate
2 Light Set	<b>2 LIGHT</b>	\$2.15
4 Light Set	<b>4 LIGHT</b>	\$4.78

## ELECTRIC POWERED HAND TOOLS [ ELTOL ]

**DELAY FACTOR = 0.64 OVERTIME FACTOR = 0.38**

Includes electric powered, hand held tools not listed elsewhere in this book. Expendable bits, blades, discs, wheels, etc. shall be paid by separate invoice. Rated in accordance with Mfr's suggested retail price.

### TOOLS [ TOOL ]

OVER	TO	Code	Rate
450	600	<b>045-060</b>	\$0.23
600	800	<b>060-080</b>	\$0.31
800	1000	<b>080-100</b>	\$0.39

## FORK LIFT TRUCKS [ FKLFT ]

**DELAY FACTOR = 0.35 OVERTIME FACTOR = 0.67**

Includes attachments and accessories. Listed in accordance with the Mfr's maximum rated capacity in kilograms(pounds).

### FORK LIFT TRUCKS [ FLT ]

OVER	TO	Code	Rate
454 (1000)	1814 (4000)	<b>010-040</b>	\$13.97
1814 (4000)	2722 (6000)	<b>040-060</b>	\$18.54
2722 (6000)	3629 (8000)	<b>060-080</b>	\$21.08
3629 (8000)	5443 (12000)	<b>080-120</b>	\$28.20
5443 (12000)	7258 (16000)	<b>120-160</b>	\$31.00
7258 (1600)	9072 (20000)	<b>160-200</b>	\$36.71
9072 (20000)	11340 (25000)	<b>200-250</b>	\$37.49
11340 (25000)	13608 (30000)	<b>250-300</b>	\$40.69

13608 (30000)	18144 (40000)	<b>300-400</b>	\$54.12
18144 (40000)	22680 (50000)	<b>400-500</b>	\$68.29
22680 (50000)	34020 (75000)	<b>500-750</b>	\$95.27

## GRADERS [ GRADR ]

**DELAY FACTOR = 0.24 OVERTIME FACTOR = 0.78**

Includes ripper and scarifier attachments and all accessories. Electronic blade control and specialty cutting tools shall be paid separately.

### BLADE-MOR [ BMOR ]

Model	Code	Rate
727	<b>2173</b>	\$10.99
747	<b>2178</b>	\$17.11

### CATERPILLAR [ CAT ]

Model	Code	Rate
120G 87V serial	<b>2685</b>	\$38.92
130G 74V serial	<b>2695</b>	\$44.09
12E 99E serial	<b>2710</b>	\$19.89
12F 73G serial	<b>2768</b>	\$29.84
12F 13K serial	<b>2826</b>	\$25.83
12F 89H serial	<b>2884</b>	\$26.36
12G 61M serial	<b>2890</b>	\$45.96
12H	<b>2895</b>	\$50.50
14E 72G serial	<b>3174</b>	\$32.10
14G	<b>3180</b>	\$68.83
14H	<b>3185</b>	\$76.14
140 14U serial	<b>3250</b>	\$33.25
140G 72V serial	<b>3260</b>	\$48.61
140H	<b>3265</b>	\$53.93
16 49G serial	<b>3290</b>	\$43.06
16 49G800 serial	<b>3348</b>	\$62.68
16 G93U serial	<b>3360</b>	\$98.17
16H	<b>3380</b>	\$105.11

### JOHN DEERE [ DEER ]

Model	Code	Rate
JD-570A	<b>3890</b>	\$25.40
JD-570B	<b>3892</b>	\$32.47
JD-670	<b>3900</b>	\$28.47
JD-670A	<b>3905</b>	\$35.23
JD-770	<b>3910</b>	\$32.39
JD-770A, 770A-H	<b>3915</b>	\$41.60
JD-770B	<b>3916</b>	\$52.12

### GALION [ GALN ]

Model	Code	Rate
A-400E	<b>4940</b>	\$33.71
T-400A	<b>4980</b>	\$30.85
T-500C	<b>5150</b>	\$35.73
T-500L	<b>5204</b>	\$31.96
T-500M	<b>5210</b>	\$36.76

<b>KOMATSU</b>	<b>[ KOMA ]</b>	
<u>Model</u>	Code	Rate
GD 505A-2	<b>8980</b>	\$35.44
GD 515A-1	<b>8986</b>	\$39.82
GD 605A-2	<b>9000</b>	\$38.65
GD 615A-1	<b>9005</b>	\$47.68
GD 625A-1C	<b>9007</b>	\$67.39
GD 655A-2	<b>9010</b>	\$41.77

<b>HAMMERS, DEMOLITION &amp; PILE [ HAMMR ]</b>
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**DELAY FACTOR = 0.35      OVERTIME FACTOR = 0.68**  
Includes attachments, accessories and power unit. Does not include carrier.

<b>ABI</b>	<b>[ ABI ]</b>	
<u>Model</u>	Code	Rate
HVR-60	<b>0100</b>	\$22.73

<b>AMERICAN PILE DRIVING EQUIPMENT</b>	<b>[ APE ]</b>	
<u>Model</u>	Code	Rate
150	<b>0010</b>	\$101.61
180	<b>0050</b>	\$127.96
200/500	<b>0060</b>	\$150.48

<b>ALLIED STEEL &amp; TRACTOR</b>	<b>[ AS&amp;T ]</b>	
<u>Model</u>	Code	Rate
800	<b>0300</b>	\$46.45
HYRAM 720	<b>0310</b>	\$4.58
HYRAM 725	<b>0320</b>	\$7.59
HYRAM 730	<b>0330</b>	\$9.96
HYRAM 740	<b>0340</b>	\$14.05
HYRAM 750	<b>0350</b>	\$16.12
HYRAM 77	<b>0360</b>	\$7.32
HYRAM 770	<b>0370</b>	\$17.95
HYRAM 780	<b>0380</b>	\$28.09
HYRAM 790	<b>0390</b>	\$38.93
HYRAM 88	<b>0400</b>	\$13.35

<b>DELMAG</b>	<b>[ DELM ]</b>	
<u>Model</u>	Code	Rate
D-12	<b>0500</b>	\$20.93
D-16	<b>0510</b>	\$26.64
D-22	<b>0520</b>	\$42.31
D-30	<b>0530</b>	\$30.45
D-30-32	<b>0540</b>	\$45.97
D-36-32	<b>0560</b>	\$57.57
D46-32	<b>0570</b>	\$64.29
D62-22	<b>0580</b>	\$117.86
D100-13	<b>0590</b>	\$185.06

<b>FOSTER</b>	<b>[ FOST ]</b>	
<u>Model</u>	Code	Rate
1700	<b>0600</b>	\$74.84
4030	<b>0630</b>	\$106.81
FNV-1800	<b>0660</b>	\$74.37
FNV-4150	<b>0693</b>	\$138.93

<b>HYDRAULIC POWER SYS</b>	<b>[ HPSI ]</b>	
<u>Model</u>	Code	Rate
150	<b>0420</b>	\$56.87
260	<b>0430</b>	\$89.52
300	<b>0440</b>	\$107.95

<b>I.C.E.</b>	<b>[ ICE ]</b>	
<u>Model</u>	Code	Rate
44-50	<b>0450</b>	\$135.80
216	<b>0460</b>	\$49.85
416L	<b>0470</b>	\$80.95
812	<b>0480</b>	\$122.22

<b>KENT</b>	<b>[ KENT ]</b>	
<u>Model</u>	Code	Rate
KHB10G	<b>0700</b>	\$13.52
KHB 15G	<b>0710</b>	\$19.64
KHB 30G	<b>0750</b>	\$25.51
KHB 40G	<b>0760</b>	\$36.47

<b>NPK</b>	<b>[ NPK ]</b>	
<u>Model</u>	Code	Rate
4XE	<b>0795</b>	\$10.35
6XA	<b>0800</b>	\$10.61
H-10XB	<b>0810</b>	\$22.94
H-12X	<b>0815</b>	\$28.03
H-16X	<b>0820</b>	\$25.98
H-20X	<b>0840</b>	\$32.20
H4X,HXA	<b>0860</b>	\$8.44
H7X	<b>0880</b>	\$11.70

<b>OKADA</b>	<b>[ OKAD ]</b>	
<u>Model</u>	Code	Rate
UB-5	<b>0900</b>	\$6.27
UB-8	<b>0950</b>	\$11.51

<b>RAMMER</b>	<b>[ RAMR ]</b>	
<u>Model</u>	Code	Rate
S-84	<b>1000</b>	\$27.51
S-86	<b>1050</b>	\$29.14

<b>STANLEY</b>	<b>[ STAN ]</b>	
<u>Model</u>	Code	Rate
MB250	<b>1100</b>	\$3.91
MB2900	<b>1120</b>	\$19.89

MB4900	<b>1140</b>	\$35.72
MB550	<b>1160</b>	\$6.30
MB800	<b>1180</b>	\$9.72

#### TELEDYNE

#### [ TELD ]

<u>Model</u>	Code	Rate
950X	<b>1190</b>	\$24.54
TB1025	<b>1195</b>	\$26.43
TB1425X	<b>1200</b>	\$28.34
TB2225X	<b>1220</b>	\$53.10
TB425	<b>1240</b>	\$10.06
TB825X	<b>1260</b>	\$17.86

#### TRAMAC

#### [ TRMC ]

<u>Model</u>	Code	Rate
BRH1100	<b>1300</b>	\$28.45
BRH125	<b>1310</b>	\$8.19
BRH250	<b>1320</b>	\$10.76
BRH400	<b>1330</b>	\$9.86
BRH620	<b>1340</b>	\$17.70
BRH750	<b>1350</b>	\$19.47
BRV950	<b>1360</b>	\$20.73

#### TUNKER

#### [ TUNK ]

<u>Model</u>	Code	Rate
40.01	<b>1400</b>	\$127.16
40.05	<b>1450</b>	\$127.16
60.05	<b>1460</b>	\$94.03

#### VULCAN

#### [ VULC ]

<u>Model</u>	Code	Rate
1	<b>1500</b>	\$22.95
010	<b>1520</b>	\$31.28
100C	<b>1540</b>	\$31.52
2300	<b>1560</b>	\$84.66
80C	<b>1580</b>	\$24.03

### HYDRAULIC CRANES & EXCAVATORS, [ HCECL ] CRAWLER MOUNTED

**DELAY FACTOR = 0.33 OVERTIME FACTOR = 0.70**

Includes all attachments and accessories required for lifting or digging.

Pavement breaker or compactor attachments are not included.

#### BANTAM

#### [ BANT ]

<u>Model</u>	Code	Rate
C 266	<b>0680</b>	\$48.40
C 366	<b>0690</b>	\$57.15
C 744	<b>1075</b>	\$40.20

#### CASE

#### [ CASE ]

<u>Model</u>	Code	Rate
9030B	<b>0100B</b>	\$53.37
9040	<b>0110</b>	\$60.88

9060B	<b>0120B</b>	\$125.91
40E E-Boom	<b>1600</b>	\$44.47
40E Y-Boom	<b>1601</b>	\$44.89
50E	<b>1602</b>	\$55.80
125B	<b>1602H</b>	\$50.02
170C	<b>1602N</b>	\$66.07
220B	<b>1602R</b>	\$89.61
880B Y-Boom	<b>1609</b>	\$31.02
980B	<b>1615</b>	\$48.77
1080	<b>1615E</b>	\$40.62
1080B	<b>1615J</b>	\$42.33
1280	<b>1616</b>	\$57.94
1280B	<b>1616E</b>	\$51.97

#### CATERPILLAR

#### [ CAT ]

<u>Model</u>	Code	Rate
312	<b>0300</b>	\$32.64
315L	<b>0305</b>	\$39.23
320	<b>0310</b>	\$52.46
320BL	<b>0312</b>	\$55.27
320L	<b>0315</b>	\$53.96
322L	<b>0325</b>	\$67.18
325	<b>0330</b>	\$69.75
325BL	<b>0335</b>	\$76.95
325L	<b>0340</b>	\$74.34
330BL	<b>0345</b>	\$94.32
330L	<b>0350</b>	\$91.39
345BL	<b>0355</b>	\$125.68
350L	<b>0360</b>	\$135.51
375L	<b>0365</b>	\$222.44
205	<b>1617</b>	\$23.02
211	<b>1617E</b>	\$30.35
213	<b>1617H</b>	\$33.76
215	<b>1618</b>	\$37.70
215B LC	<b>1619E</b>	\$41.23
215C	<b>1619F</b>	\$45.64
215D	<b>1619G</b>	\$51.32
225	<b>1620</b>	\$52.01
225LC	<b>1621</b>	\$52.49
225D LC	<b>1622</b>	\$67.13
227	<b>1623</b>	\$55.68
229	<b>1625</b>	\$71.43
231D	<b>1630</b>	\$83.03
231DLC	<b>1635</b>	\$84.67
235	<b>1640</b>	\$88.26
235B	<b>1642</b>	\$98.75
235 Front Shovel	<b>1645</b>	\$98.53
235B Front Shovel	<b>1647</b>	\$110.36
235C	<b>1648</b>	\$111.27
235DLC	<b>1649</b>	\$117.39
245	<b>1650</b>	\$149.64
245B	<b>1650B</b>	\$164.52
245 Front Shovel	<b>1652</b>	\$161.99
245B Front Shovel	<b>1652B</b>	\$180.71
E 180	<b>1653</b>	\$42.63

EL 180	<b>1654</b>	\$43.82	G 880B	<b>0210</b>	\$62.82
EL 200B	<b>1654E</b>	\$48.88	G 880C	<b>0215</b>	\$62.34
E 240	<b>1655</b>	\$55.73	G 1000	<b>0230</b>	\$93.38
EL 240	<b>1656</b>	\$57.27	XL4200	<b>0260</b>	\$59.29
E 300	<b>1657</b>	\$69.65	XL5200	<b>0280</b>	\$71.71
E 300B	<b>1657B</b>	\$77.46	<b>HITACHI</b>	<b>[ HIT ]</b>	
EL 300	<b>1658</b>	\$71.65	<u>Model</u>	Code	Rate
EL 300B	<b>1658B</b>	\$79.61	UH 07LC	<b>2630</b>	\$43.92
<b>JOHN DEERE</b>	<b>[ DEER ]</b>		UH 062	<b>2660</b>	\$38.53
<u>Model</u>	Code	Rate	UH 172	<b>2695</b>	\$82.97
450LC	<b>1645</b>	\$125.49	UH 122	<b>2750</b>	\$54.60
490	<b>1660</b>	\$25.54	EX 150	<b>2797</b>	\$43.65
490E	<b>1660E</b>	\$34.91	EX 200 LC	<b>2800</b>	\$51.65
690A	<b>1685</b>	\$28.69	EX 270 LC	<b>2806</b>	\$77.79
690B	<b>1695</b>	\$43.15	EX 300LC-2	<b>2807</b>	\$89.23
690C	<b>1697</b>	\$38.67	EX 300LC-3	<b>2807A</b>	\$90.54
690D	<b>1697D</b>	\$41.98	EX 330LC-5	<b>2807B</b>	\$98.34
690E LC	<b>1697ELC</b>	\$51.71	EX 370-5	<b>2807F</b>	\$104.59
790	<b>1698</b>	\$49.31	EX 400 LC	<b>2808</b>	\$118.26
790D	<b>1698D</b>	\$55.13	EX 450LC-5	<b>2808K</b>	\$135.93
790E LC	<b>1698ELC</b>	\$64.06	EX 550LC	<b>2809</b>	\$175.35
792	<b>1699</b>	\$59.21	EX 700	<b>2810</b>	\$212.16
890	<b>1700</b>	\$78.35	EX 750-5	<b>2815</b>	\$224.07
890A	<b>1705</b>	\$76.06	EX 1100	<b>2880</b>	\$277.93
892D LC	<b>1708</b>	\$70.93	<b>HYUNDAI</b>	<b>[ HYUN ]</b>	
990	<b>1720</b>	\$88.31	<u>Model</u>	Code	Rate
992D LC	<b>1722</b>	\$107.31	200LC	<b>2950</b>	\$48.92
30	<b>1725</b>	\$11.13	210LC-3	<b>2952C</b>	\$50.14
50	<b>1730</b>	\$17.46	280LC	<b>2960</b>	\$71.15
70	<b>1735</b>	\$17.22	290LC	<b>2970</b>	\$75.90
200LC	<b>1745</b>	\$56.62	450LC	<b>3010</b>	\$118.90
<b>DROTT</b>	<b>[ DROT ]</b>		<b>INTERNATIONAL</b>	<b>[ INTL ]</b>	
<u>Model</u>	Code	Rate	<u>Model</u>	Code	Rate
35D E boom	<b>1835</b>	\$34.65	630	<b>4250</b>	\$32.46
35D Y boom	<b>1845</b>	\$35.09	640 HD	<b>4260</b>	\$45.70
40D E boom	<b>1930</b>	\$40.58	650 HD	<b>4280</b>	\$56.53
40D Y boom	<b>1965</b>	\$45.96	<b>KATO</b>	<b>[ KATO ]</b>	
50D	<b>2005</b>	\$53.23	<u>Model</u>	Code	Rate
<b>FIAT-ALLIS</b>	<b>[ F-A ]</b>		HD450 VII	<b>3050</b>	\$32.99
<u>Model</u>	Code	Rate	HD700 VII LC	<b>3060</b>	\$48.46
FE 18	<b>9000</b>	\$34.04	HD1250 VII LC	<b>3080</b>	\$78.97
FE 20 HD	<b>9010</b>	\$43.97	<b>KOBELCO</b>	<b>[ KOBL ]</b>	
FE 20 LC	<b>9020</b>	\$39.87	<u>Model</u>	Code	Rate
FE 28	<b>9030</b>	\$55.01	SK200LC MARK III	<b>4687</b>	\$51.67
FE 40 L	<b>9040</b>	\$98.99	K 903B	<b>4688</b>	\$21.15
<b>GRADALL</b>	<b>[ GRAD ]</b>		K 904D	<b>4693</b>	\$24.12
<u>Model</u>	Code	Rate	K 904E	<b>4694</b>	\$25.65
G 660	<b>0150</b>	\$46.53	K 904 Mark II	<b>4694A</b>	\$26.26
G 660B	<b>0160</b>	\$55.68			
G 660C	<b>0170</b>	\$56.47			

K 905	4695	\$27.44	PC 750-6	9555	\$222.16
K 905A LC	4697	\$30.29	PC 1000-1	9560	\$297.59
K 907C	4700	\$41.28	PC 1000 LC-1	9565	\$310.73
K 907D	4702	\$44.61	<b>LINK-BELT</b>	[ L-B ]	
K 907 LC	4704	\$45.39	<u>Model</u>	Code	Rate
K 909A	4710	\$57.30	LS 1600	5390	\$19.12
K 909 LC	4711	\$59.94	LS 2650	5395	\$26.55
K 912A	4712	\$67.55	LS 2700C II	5398	\$39.62
K 914	4715	\$84.13	2700 QUANTUM	5399	\$41.44
K 916	4717	\$92.94	LS 2800	5400	\$30.61
SK270LC MARK IV	4720	\$74.51	LS 2800A	5402	\$39.56
SK400LC MARK IV	4725	\$123.28	LS 2800A PL	5404	\$32.42
<b>KOEHRING</b>	[ KOEH ]		LS 2800 PL	5405	\$29.46
<u>Model</u>	Code	Rate	LS 2800B	5410	\$41.12
366 post 1980	4752	\$67.75	LS 3400	5475	\$56.16
466E	4990	\$78.02	LS 3400C II	5477	\$61.61
566	5160	\$90.66	LS 4300	5660	\$71.46
666, 666E	5225	\$113.94	LS 4300C II	5662	\$78.49
866, 866E	5235	\$140.48	LS 4800	5750	\$84.13
6611	6000	\$26.50	LS 4800 PL	5755	\$69.67
6614	6005	\$32.77	LS 5400	5805	\$92.94
6612	6010	\$32.07	LS 5800	5810	\$99.48
6620	6015	\$46.29	LS 5800A	5812	\$106.12
6625	6020	\$56.98	LS 5800C II	5814	\$112.87
6633	6029	\$76.16	LS 6400	5820	\$148.46
6644	6040	\$106.43	LS 7400	5830	\$132.53
<b>KOMATSU</b>	[ KOMA ]		LS 7400A	5840	\$181.36
<u>Model</u>	Code	Rate	<b>MASSEY FERGUSON</b>	[ M-F ]	
PC 120-5	9485	\$36.74	<u>Model</u>	Code	Rate
PC 150-1	9490	\$30.45	MF 450D	6245	\$25.53
PC 150-3	9495	\$38.97	MF 450S	6250	\$25.84
PC 200 LC-2	9500	\$38.37	<b>MITSUBISHI</b>	[ MITS ]	
PC 200-5	9504	\$52.52	<u>Model</u>	Code	Rate
PC 200 LC-3	9505	\$48.49	MS 090	6290	\$20.04
PC 200 LC-5	9506	\$54.53	MS 180-3	6295	\$37.59
PC 220 LC-2	9510	\$49.38	MS 180 LC-8	6296	\$42.02
PC 220 LC-3	9515	\$59.71	MS 230 LC-3	6300	\$48.83
PC 220 LC-5	9516	\$65.30	MS 240 LC-8	6305	\$52.73
PC 280 LC-3	9517	\$67.36	MS 280-2	6310	\$59.39
PC 300 LC-1, LC-2	9520	\$62.62	MS 380-2	6320	\$85.14
PC 300 LC-3	9525	\$79.14	MS 450-8	6330	\$93.73
PC 300 LC-5	9526	\$89.47	<b>NORTHWEST</b>	[ NW ]	
PC 300 LC-6	9526A	\$100.56	<u>Model</u>	Code	Rate
PC 360 LC-3	9527	\$93.55	35 DH	6335	\$66.09
PC 400 LC-1	9530	\$87.77	45 DH	6340	\$78.47
PC 400 LC-3	9535	\$104.91	55 DH	6345	\$85.97
PC 400 LC-5	9536	\$123.07	55 DH Series II	6360	\$130.41
PC 400 LC-6	9537	\$132.11			
PC 600 LC-6	9539	\$185.48			
PC 650-1	9540	\$164.84			
PC 650-1 Front Shovel	9550	\$180.32			
PC 650-3	9552	\$183.36			



<b>P&amp;H</b>	<b>[ P&amp;H ]</b>	
<u>Model</u>	Code	Rate
H 750	<b>6628</b>	\$34.18
H 1250	<b>6630</b>	\$53.50
H 1750	<b>6635</b>	\$74.06
H 2500	<b>6645</b>	\$92.70
HS 2500	<b>6650</b>	\$97.74

<b>TAKEUCHI</b>	<b>[ TAKU ]</b>	
<u>Model</u>	Code	Rate
TB 15	<b>7686</b>	\$7.69
TB 025	<b>7686A</b>	\$12.62
TB 045	<b>7686E</b>	\$20.90
TB 070	<b>7686H</b>	\$23.45
TB 10S	<b>7688</b>	\$6.11
TB 35S	<b>7690</b>	\$11.15
TB 68S	<b>7692</b>	\$18.76
TB 800	<b>7695</b>	\$8.45

<b>HYDRAULIC CRANES &amp; EXCAVATORS, [ HCESP ]</b> <b>SELF PROPELLED</b>
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**DELAY FACTOR = 0.28      OVERTIME FACTOR = 0.76**  
Includes all attachments and accessories required for lifting or digging.  
Pavement breaker or compactor attachments are not included.

<b>BUCYRUS-ERIE</b>	<b>[ B-E ]</b>	
<u>Model</u>	Code	Rate
300C/SP	<b>1670</b>	\$37.44
320C	<b>1672</b>	\$37.63
360C	<b>1678</b>	\$37.99

<b>BADGER</b>	<b>[ BAGR ]</b>	
<u>Model</u>	Code	Rate
4425/30	<b>1565</b>	\$54.60
4435	<b>1570</b>	\$59.30
4435B	<b>1573</b>	\$60.93
4435C	<b>1573C</b>	\$71.04
4445	<b>1574</b>	\$88.64
4450	<b>1575</b>	\$66.44
4450B	<b>1577</b>	\$74.12
4455	<b>1579</b>	\$89.39

<b>CASE</b>	<b>[ CASE ]</b>	
<u>Model</u>	Code	Rate
40E E-Boom, Cruz Air	<b>1685</b>	\$34.74
40E Y-Boom, Cruz Air	<b>1687</b>	\$34.95
40F E-Boom, Cruz Air	<b>1687H</b>	\$37.15
40F Y-Boom, Cruz Air	<b>1687K</b>	\$37.99
45 E-Boom, Cruz Air	<b>1688</b>	\$44.17
45 Y-Boom, Cruz Air	<b>1689</b>	\$49.27
45B E-Boom, Cruz Air	<b>1689H</b>	\$47.62
45B Y-Boom, Cruz Air	<b>1689K</b>	\$48.41
880R E-Boom	<b>1690</b>	\$29.27

880R Y-Boom	<b>1695</b>	\$29.40
1085 E-Boom, Cruz Air	<b>1696E</b>	\$36.94
1085 Y-Boom, Cruz Air	<b>1696Y</b>	\$37.25
1085B Y-Boom, Cruz Air	<b>1696Z</b>	\$41.04
1285 E-Boom, Cruz Air	<b>1697E</b>	\$43.58
1285 Y-Boom, Cruz Air	<b>1697Y</b>	\$43.73
3330 Low Profile	<b>1698E</b>	\$18.76
3330B	<b>1698H</b>	\$19.02

<b>CATERPILLAR</b>	<b>[ CAT ]</b>	
<u>Model</u>	Code	Rate
206	<b>1699</b>	\$27.59
212	<b>1699E</b>	\$34.52
214	<b>1699H</b>	\$37.13
224	<b>1699J</b>	\$46.16

<b>GRADALL</b>	<b>[ GRAD ]</b>	
<u>Model</u>	Code	Rate
G 3WD, 4x4	<b>0110</b>	\$49.45

<b>GROVE</b>	<b>[ GROV ]</b>	
<u>Model</u>	Code	Rate
24	<b>3820</b>	\$18.75
36	<b>3830</b>	\$28.85
68	<b>3850</b>	\$37.65
1012	<b>3870</b>	\$44.27
2535	<b>3880</b>	\$63.47
RT-48	<b>4030</b>	\$30.70
RT-49	<b>4115</b>	\$30.99
RT-58	<b>4285</b>	\$32.29
RT-418	<b>4354</b>	\$46.71
RT-420	<b>4356</b>	\$46.71
RT-422	<b>4358</b>	\$46.71
RT-500D	<b>4359</b>	\$66.44
RT-525	<b>4360</b>	\$41.96
RT-525B	<b>4362</b>	\$45.06
RT-525C	<b>4363</b>	\$56.08
RT-527.5	<b>4365</b>	\$42.87
RT-528B	<b>4370</b>	\$45.06
RT-528C	<b>4372</b>	\$57.63
RT-60	<b>4520</b>	\$37.89
RT-60S	<b>4540</b>	\$39.93
RT-515	<b>4606</b>	\$41.65
RT-518	<b>4607</b>	\$43.71
RT-520	<b>4608</b>	\$45.33
RT-522	<b>4609</b>	\$44.52
RT-522C	<b>4609G</b>	\$51.82
RT-625	<b>4630</b>	\$50.35
RT-630	<b>4635</b>	\$50.35
RT-630B	<b>4637</b>	\$57.26
RT-635	<b>4640</b>	\$54.04
RT-65 S	<b>4700</b>	\$55.73
RT-740	<b>4710</b>	\$67.83
RT-745	<b>4715</b>	\$88.14

RT-75 S	<b>4720</b>	\$62.15
RT-755	<b>4725</b>	\$76.56
RT-760	<b>4727</b>	\$105.47
RT-865	<b>4730</b>	\$95.98
RT-865B	<b>4732</b>	\$130.06
RT-875	<b>4735</b>	\$118.97
RT-980	<b>4750</b>	\$117.19
RT-990	<b>4760</b>	\$141.93
RT9100	<b>4790</b>	\$164.15

#### KOMATSU

[ KOMA ]

<u>Model</u>	Code	Rate
PW 210-1	<b>9580</b>	\$60.22

#### LINK-BELT

[ L-B ]

<u>Model</u>	Code	Rate
HSP 15	<b>5500</b>	\$36.47
HSP 18	<b>5505</b>	\$36.47
HSP 20	<b>5510</b>	\$42.86
HSP 22	<b>5530</b>	\$44.37
HSP 25	<b>5535</b>	\$49.67
HSP 8015	<b>5538</b>	\$49.61
HSP 8018	<b>5538E</b>	\$49.61
HSP 8018XL	<b>5538G</b>	\$58.83
HSP 8018C	<b>5538H</b>	\$48.99
HSP 8025	<b>5538P</b>	\$52.04
HSP 8025 S	<b>5538PF</b>	\$54.70
HSP 8030	<b>5538Q</b>	\$60.51
HSP 8035	<b>5538R</b>	\$85.95
HSP 8040	<b>5538S</b>	\$86.06
HSP 8050	<b>5538T</b>	\$88.17
HSP 8055	<b>5538V</b>	\$80.13
HSP 8060	<b>5539</b>	\$98.12

#### LORAIN

[ LORN ]

<u>Model</u>	Code	Rate
LRT 15H	<b>5730</b>	\$36.77
LRT 15U	<b>5735</b>	\$38.04
LRT 18U	<b>5740</b>	\$38.60
LRT 35U	<b>5745</b>	\$58.16
LRT 40U	<b>5750</b>	\$59.44
LRT 150	<b>5755</b>	\$37.34
LRT 150D	<b>5756</b>	\$55.53
LRT 180	<b>5760</b>	\$37.26
LRT 180D	<b>5760D</b>	\$55.53
LRT 200	<b>5765</b>	\$36.90
LRT 200D	<b>5765D</b>	\$55.71
LRT 220	<b>5767</b>	\$39.74
LRT 230	<b>5768</b>	\$47.44
LRT 230D	<b>5768D</b>	\$55.73
LRT 250	<b>5769</b>	\$47.47
LRT 250D	<b>5769D</b>	\$55.73
LRT 275	<b>5770</b>	\$47.47
LRT 275D	<b>5770D</b>	\$55.73

LRT 330	<b>5772</b>	\$56.31
LRT 400	<b>5773</b>	\$66.95
LRT 450	<b>5774</b>	\$70.34
LRT 500	<b>5775</b>	\$73.64
LRT 550	<b>5790</b>	\$79.29

#### P&H

[ P&H ]

<u>Model</u>	Code	Rate
OMEGA 14	<b>5790</b>	\$36.36
OMEGA 15	<b>5792</b>	\$36.36
OMEGA 18	<b>5794</b>	\$36.82
OMEGA 25	<b>5795</b>	\$52.46
OMEGA 20	<b>5796</b>	\$37.55
OMEGA 23	<b>5796E</b>	\$40.51
OMEGA 30	<b>5796J</b>	\$55.08
OMEGA 35	<b>5796P</b>	\$56.13
OMEGA 40	<b>5797</b>	\$77.56
OMEGA 45	<b>5797E</b>	\$79.42
OMEGA 50	<b>5797J</b>	\$80.93
OMEGA 60	<b>5798</b>	\$75.81
OMEGA 65	<b>5799</b>	\$100.98
OMEGA 114	<b>5799C</b>	\$44.59
OMEGA 114D	<b>5799G</b>	\$42.49
OMEGA 118	<b>5799Q</b>	\$46.21
OMEGA 118D	<b>5799S</b>	\$42.65
OMEGA 120	<b>5799U</b>	\$47.98
OMEGA 120D	<b>5799W</b>	\$43.41
OMEGA 122	<b>5799X</b>	\$49.04
OMEGA 122D	<b>5799Y</b>	\$44.03
OMEGA 125	<b>5799Z</b>	\$49.43
OMEGA 128	<b>5799ZA</b>	\$47.99
R 150	<b>5890</b>	\$28.32
R 150-1	<b>5910</b>	\$27.80
R 180	<b>5975</b>	\$28.67
R 200	<b>6060</b>	\$29.01
OMEGA S-15	<b>6062</b>	\$54.69
OMEGA S-18	<b>6063</b>	\$54.69
OMEGA S-20	<b>6064</b>	\$57.49
S-35	<b>6064E</b>	\$73.32

#### PETTIBONE

[ PET ]

<u>Model</u>	Code	Rate
16 MK P Series	<b>6500</b>	\$33.32
20 MK P Series	<b>6580</b>	\$34.00
25	<b>6740</b>	\$28.60
25 MK P Series	<b>6750</b>	\$34.79
29 MK P Series	<b>6880</b>	\$35.89
30	<b>6900</b>	\$28.60
30 MK P Series	<b>6903</b>	\$36.96
30 SC, 30 SC P Series	<b>6910</b>	\$45.14
60 SC	<b>6990</b>	\$52.72
60 SC P Series	<b>6995</b>	\$58.79
70	<b>7100</b>	\$57.74
70 SC	<b>7165</b>	\$55.88

70 SC P Series	<b>7170</b>	\$62.71
80 MK P Series	<b>7250</b>	\$59.85
80 SC P Series	<b>7260</b>	\$61.33

#### R.O. PRODUCTS

[ ROP ]

<u>Model</u>	Code	Rate
MC 5A	<b>8005</b>	\$14.70
MC 50B	<b>8175</b>	\$24.53
MC 50C	<b>8260</b>	\$25.93

#### HYDRAULIC CRANES & EXCAVATORS, [ HCETD ] TRUCK MTD. W/ CARRIER

**DELAY FACTOR = 0.25 OVERTIME FACTOR = 0.78**

Includes truck/carrier. Includes all attachment and accessories required for lifting or digging. Pavement breaker or compactor attachments are not included.

#### BUCYRUS-ERIE

[ B-E ]

<u>Model</u>	Code	Rate
25 XC	<b>1360</b>	\$56.50
30 XC	<b>1370</b>	\$57.18
40 C	<b>1475</b>	\$46.19
60 XC	<b>1590</b>	\$95.36
65 C	<b>1592</b>	\$80.04
90 XC	<b>1600</b>	\$107.78

#### BADGER

[ BAGR ]

<u>Model</u>	Code	Rate
300 Hydro-Scopic	<b>0550</b>	\$40.12
460 Hydro-Scopic	<b>0555</b>	\$48.31
666 Hydro-Scopic	<b>0560</b>	\$65.11
888 Hydro-Scopic	<b>0600</b>	\$69.68

#### BANTAM

[ BANT ]

<u>Model</u>	Code	Rate
T 744 Teleskoop	<b>1285</b>	\$44.90
T 888	<b>1310</b>	\$57.66
T 888B	<b>1315</b>	\$64.83

#### DEVAULT

[ DVUT ]

<u>Model</u>	Code	Rate
TK 15-10	<b>1900</b>	\$26.67

#### GRADALL

[ GRAD ]

<u>Model</u>	Code	Rate
G 3W	<b>0120</b>	\$43.20
G 660	<b>0170</b>	\$43.66
G 660B	<b>0180</b>	\$53.94
G 660C	<b>0190</b>	\$55.04
G 800	<b>0210</b>	\$32.21
G 880B	<b>0220</b>	\$62.85
G 880C	<b>0230</b>	\$63.42
G 1000	<b>0240</b>	\$76.25

#### GROVE

Model

	Code	Rate
TD 520	<b>2221</b>	\$61.05
TD 522	<b>2223</b>	\$61.05
TD 525	<b>2224</b>	\$62.03
TMS 250	<b>2850</b>	\$60.38
TMS 250A	<b>2860</b>	\$60.89
TMS 250B	<b>2870</b>	\$60.89
TMS 250C	<b>2875</b>	\$83.04
TMS 300	<b>2922</b>	\$72.80
TMS 300B	<b>2923</b>	\$90.99
TMS 760	<b>3180</b>	\$132.08
TMS 865	<b>3378</b>	\$104.30
TM 875	<b>3380</b>	\$126.60
TMS 875	<b>3385</b>	\$127.46
TM 890	<b>3387</b>	\$142.90
TM 1075	<b>3390</b>	\$117.82

#### HIAB

[ HIAB ]

<u>Model</u>	Code	Rate
100 AW	<b>3850</b>	\$20.90
1165	<b>3852</b>	\$18.52
170 thru 174	<b>3854</b>	\$16.89
175 thru 177	<b>3855</b>	\$17.05
550, 5501	<b>3857</b>	\$19.15
650	<b>3859</b>	\$20.17

#### KOEHRING

[ KOEH ]

<u>Model</u>	Code	Rate
4460 Teleskoop	<b>4400</b>	\$42.58
4465 Teleskoop	<b>4405</b>	\$43.88
4470 Teleskoop	<b>4410</b>	\$52.03
4475 Teleskoop	<b>4415</b>	\$53.32

#### LINK-BELT

[ L-B ]

<u>Model</u>	Code	Rate
HTC 14	<b>4505</b>	\$57.84
HTC 25	<b>4507</b>	\$57.84
HTC 35	<b>4509</b>	\$68.28
HTC 50	<b>4510</b>	\$86.14
HTC 50W	<b>4520</b>	\$81.71
HTC 814	<b>4530</b>	\$81.01
HTC 814XL	<b>4531</b>	\$84.50
HTC 822 S	<b>4532</b>	\$72.57
HTC 825	<b>4535</b>	\$64.12
HTC 825 S	<b>4536</b>	\$73.72
HTC 830	<b>4537</b>	\$81.03
HTC 835	<b>4539</b>	\$85.74
HTC 835XL	<b>4539C</b>	\$101.43
HTC 840	<b>4539E</b>	\$100.17
HTC 850	<b>4539G</b>	\$105.16
HTC 855	<b>4539H</b>	\$89.18
HTC 860	<b>4539J</b>	\$110.24

HTC 1040	<b>4540</b>	\$100.46
HTC 1050	<b>4545</b>	\$106.08
HTC 1055	<b>4550</b>	\$93.15
HTC 1060	<b>4555</b>	\$111.07
HTC-11100	<b>4600</b>	\$177.06

#### LORAIN

#### [ LORN ]

<u>Model</u>	Code	Rate
MCH 140	<b>4942</b>	\$66.64
MCH 150	<b>4946</b>	\$58.83
MCH 180	<b>4947</b>	\$58.83
MCH 300	<b>4953</b>	\$72.14
MCH 350	<b>4955</b>	\$63.92
MCH 400	<b>4957</b>	\$80.92
MCH 500	<b>4960</b>	\$73.81

#### MANITEX

#### [ MANX ]

<u>Model</u>	Code	Rate
1161	<b>4980</b>	\$24.36
1770	<b>4985</b>	\$44.19
2284	<b>4990</b>	\$46.22
2592	<b>4995</b>	\$48.03

#### NATIONAL

#### [ NATL ]

<u>Model</u>	Code	Rate
Ser 4/400, 11.3 m (37') boom	<b>4983</b>	\$21.52
Ser 4/400, 14.0 m (46') boom	<b>4984</b>	\$21.74
Ser 4/400, 16.8 m (55') boom	<b>4985</b>	\$21.92
Ser 5/500A/B, 14.3 m (47') boom	<b>4986</b>	\$26.19
Ser 5/500A/B, 17.1 m (56') boom	<b>4987</b>	\$26.84
Ser 6/600, 14.3 m (47') boom	<b>4989</b>	\$25.82
Ser 6/600, 17.1 m (56') boom	<b>4990</b>	\$26.21
856	<b>4995</b>	\$26.75
856B	<b>4996</b>	\$25.88
875	<b>4997</b>	\$27.55
875B	<b>4998</b>	\$29.11
Series 85	<b>4999</b>	\$22.03

#### P&H

#### [ P&H ]

<u>Model</u>	Code	Rate
ALPHA 100 ton	<b>5000</b>	\$191.81
CN T-280	<b>5005</b>	\$84.59
T-150	<b>5290</b>	\$54.87
T-180	<b>5380</b>	\$55.34
T-200	<b>5470</b>	\$55.92
T-250	<b>5560</b>	\$66.95
CN T-250	<b>5561</b>	\$87.13
OMEGA T-250	<b>5570</b>	\$68.07
OMEGA T-300	<b>5580</b>	\$71.65
OMEGA T-350	<b>5585</b>	\$72.97
T-300A	<b>5665</b>	\$66.37
OMEGA T-400	<b>5666M</b>	\$90.99
OMEGA T-450	<b>5669</b>	\$92.83
T-600 XL	<b>5670</b>	\$95.87

OMEGA T-500	<b>5680</b>	\$92.81
OMEGA T-650	<b>5745</b>	\$116.82
T-750	<b>5780</b>	\$94.59

#### PITMAN

#### [ PIT ]

<u>Model</u>	Code	Rate
Hydralift HL 40 thru 95	<b>6670</b>	\$17.27
Hydralift HL 100 thru 170	<b>6675</b>	\$20.00
HL 857	<b>6685</b>	\$25.32
HL 1200, 1545-T2 or 1580	<b>6695</b>	\$27.94
POLECAT	<b>6697</b>	\$28.96
PELICAN	<b>6699</b>	\$31.96

#### R.O. PRODUCTS

#### [ ROP ]

<u>Model</u>	Code	Rate
TC-40	<b>6860</b>	\$18.32
TC-50	<b>6862</b>	\$19.99
TC-70	<b>6864</b>	\$21.44
TC-80	<b>6866</b>	\$21.61
TC-85	<b>6868</b>	\$21.07
TC-110	<b>6870</b>	\$24.64
TC-120	<b>6872</b>	\$25.15
TC-125	<b>6874</b>	\$24.88
TC-145	<b>6876</b>	\$28.09
TC-150	<b>6878</b>	\$26.31

### HYDRAULIC CRANES & EXCAVATORS, [ HCETG ] TRUCK MTD LESS CARRIER

**DELAY FACTOR = 0.22      OVERTIME FACTOR = 0.81**

Includes all lifting and digging attachments and accessories. Truck/carrier to be paid separately. Pavement breaker or compactor attachments are not included.

#### BUCYRUS-ERIE

#### [ B-E ]

<u>Model</u>	Code	Rate
H-3 series two	<b>1000</b>	\$23.37
H-5 series two	<b>1300</b>	\$29.76

#### GALION

#### [ GALN ]

<u>Model</u>	Code	Rate
125 P	<b>1970</b>	\$24.91
150 P	<b>1980</b>	\$30.93

#### GROVE

#### [ GROV ]

<u>Model</u>	Code	Rate
TM 100C	<b>2020</b>	\$32.27
TM 200C	<b>2040</b>	\$35.57

## HYDRAULIC PERSONNEL LIFTS & [ HYLFT ] AERIAL WORK PLATFORMS

**DELAY FACTOR = 0.33      OVERTIME FACTOR = 0.69**

Includes self propelled and power take off(PTO) units whether gas, diesel or electric. Rates for any truck or carrier mounted units shall pay for the truck separately. Reach is rated by Mfr's maximum extension in meters(feet).

BOOM TYPE [ BOOM ]			
OVER	TO	Code	Rate
0	7.6 (25)	<b>00-24</b>	\$7.01
7.6 (25)	15.2 (50)	<b>25-49</b>	\$19.00
15.2 (50)	22.9 (75)	<b>50-74</b>	\$30.07

SCISSOR TYPE [ SCIS ]			
OVER	TO	Code	Rate
0	6.1 (20)	<b>00-20</b>	\$7.99
6.4 (21)	9.1 (30)	<b>21-30</b>	\$10.26
9.4 (31)	15.2 (50)	<b>31-50</b>	\$15.44

## LOADERS, CRAWLER [ LDRCL ]

**DELAY FACTOR = 0.24      OVERTIME FACTOR = 0.79**

Includes all attachments and accessories excluding clam-action buckets and backhoe(see attachment class).

CASE [ CASE ]			
Model		Code	Rate
350B		<b>2370</b>	\$18.06
450B		<b>2610</b>	\$18.52
455B		<b>2620</b>	\$20.39
455C		<b>2620A</b>	\$21.56
1155D		<b>3555</b>	\$37.35
1155E		<b>3556</b>	\$40.41
1450		<b>3560</b>	\$38.43
1450B		<b>3565</b>	\$43.95
1455B		<b>3568</b>	\$44.84

CATERPILLAR [ CAT ]			
Model		Code	Rate
931B		<b>3735</b>	\$19.26
931C		<b>3735C</b>	\$21.08
931 LGP		<b>3740</b>	\$17.85
931B LGP		<b>3745</b>	\$20.42
935B		<b>3845</b>	\$23.62
935C		<b>3845C</b>	\$25.59
939C		<b>3900</b>	\$33.60
943		<b>4130</b>	\$35.35
943 LGP		<b>4135</b>	\$31.96
951C 86J 1992 serial		<b>4200</b>	\$24.17
951C 86J 2598 serial		<b>4210</b>	\$30.07
951C LGP 86J 2598 ser		<b>4215</b>	\$30.94
953		<b>4220</b>	\$47.10
953 LGP		<b>4230</b>	\$41.78

955L 85J 6247 serial	<b>4675</b>	\$35.59
955L 85J 13X10129 ser	<b>4680</b>	\$42.13
955L LGP 85J 13X10129	<b>4685</b>	\$42.49
963	<b>4690</b>	\$63.51
963 LGP	<b>4693</b>	\$55.38
973	<b>4695</b>	\$98.44
973 LGP	<b>4698</b>	\$78.31
977K	<b>5014</b>	\$36.22
977K 11K serial	<b>5092</b>	\$40.56
977L 11K 3919 serial	<b>5170</b>	\$49.19
977L 11K 5083 serial	<b>5180</b>	\$59.24
977L 14X serial	<b>5185</b>	\$64.34
977L LGP	<b>5190</b>	\$63.97
983	<b>5248</b>	\$82.30
983B	<b>5265</b>	\$95.28

## JOHN DEERE

## [ DEER ]

Model	Code	Rate
JD 350C	<b>5420</b>	\$18.70
JD 450C (4 speed PS)	<b>5805</b>	\$20.28
JD 455D	<b>5807</b>	\$21.73
JD 455E	<b>5809</b>	\$21.42
JD 455G	<b>5809A</b>	\$25.60
JD 555	<b>5810</b>	\$23.32
JD 555A	<b>5812</b>	\$26.18
JD 555B	<b>5814</b>	\$25.37
JD 555G	<b>5814A</b>	\$33.58
JD 655	<b>5815</b>	\$38.02
JD 655B	<b>5817</b>	\$42.51
JD 755	<b>5820</b>	\$33.83
JD 755A	<b>5822</b>	\$44.30
JD 755B	<b>5824</b>	\$48.68
JD 855	<b>5830</b>	\$66.07

## DRESSER

## [ DRES ]

Model	Code	Rate
100E (PS)	<b>9000</b>	\$21.69
100G	<b>9005</b>	\$26.65
125E (PS)	<b>9010</b>	\$27.39
125G	<b>9015</b>	\$33.62
175C (PS)	<b>9020</b>	\$54.54
200	<b>9025</b>	\$67.67
250C (PS)	<b>9030</b>	\$62.33
250E (PS)	<b>9035</b>	\$73.10

## KOMATSU

## [ KOMA ]

Model	Code	Rate
D 53S-16	<b>7878</b>	\$34.81
D 53S-17	<b>7878A</b>	\$48.30
D 55S-2	<b>7900</b>	\$31.84
D 55S-3	<b>7978</b>	\$31.84
D 57S-1	<b>8000</b>	\$52.83
D 65S-6	<b>8017</b>	\$43.43
D 66S-1	<b>8020</b>	\$65.65

D 75S-2	<b>8056</b>	\$46.37
D 75S-3	<b>8060</b>	\$63.66
D 75S-5	<b>8061</b>	\$100.30
D 155S-1	<b>8080</b>	\$136.52

<b>LOADERS, RUBBER TIRE</b>	<b>[ LDRRT ]</b>
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**DELAY FACTOR = 0.26      OVERTIME FACTOR = 0.75**

Includes all attachments and accessories. Clam-action buckets, 4WD and backhoes are excluded unless otherwise noted.

**ALLIS-CHALMERS**      **[ A-C ]**

<u>Model</u>	Code	Rate
710C	<b>0747</b>	\$16.03
714B	<b>0750</b>	\$15.05
714C w/ backhoe	<b>0752</b>	\$17.76
715B w/ backhoe	<b>0765</b>	\$17.11
715C w/ backhoe	<b>0767</b>	\$18.04

**CASE**      **[ CASE ]**

<u>Model</u>	Code	Rate
W-11	<b>1365</b>	\$17.04
W-11B	<b>1368</b>	\$19.78
W-18	<b>1444</b>	\$25.15
W-18 9213140 serial	<b>1450</b>	\$29.03
W-18B	<b>1460</b>	\$31.75
W-20	<b>1472</b>	\$29.16
W-20B	<b>1480</b>	\$30.00
W-20C	<b>1482</b>	\$32.59
W-30	<b>1565</b>	\$43.90
480B	<b>1636</b>	\$10.98
480B w/ backhoe	<b>1640</b>	\$12.35
480C	<b>1650</b>	\$14.74
480C w/ backhoe	<b>1660</b>	\$16.41
480D	<b>1662</b>	\$17.19
480D w/ backhoe	<b>1664</b>	\$19.27
480E w/ backhoe	<b>1666</b>	\$16.25
480E LL	<b>1667</b>	\$14.95
480F w/ backhoe	<b>1668</b>	\$17.65
480F LL	<b>1669</b>	\$15.77
480LL	<b>1677</b>	\$17.24
570L XT 4WD	<b>1690</b>	\$19.97
580B w/ backhoe	<b>1705</b>	\$15.33
580C	<b>1710</b>	\$13.02
580C w/ backhoe	<b>1715</b>	\$15.05
580D	<b>1717</b>	\$14.47
580D w/ backhoe	<b>1720</b>	\$17.15
580 Super D	<b>1725</b>	\$15.81
580 Super D w/ backhoe	<b>1727</b>	\$18.54
580 Super E	<b>1731</b>	\$15.79
580 Super E w/ backhoe	<b>1735</b>	\$18.72
580K w/ backhoe	<b>1739</b>	\$19.03
580K 4WD w/ backhoe	<b>1740</b>	\$20.20
580 Super K w/ backhoe	<b>1742</b>	\$20.92
580L w/ backhoe	<b>1743</b>	\$20.89

580 Super L 4WD w/ backhoe	<b>1744</b>	\$24.97
590 Turbo w/ backhoe	<b>1745</b>	\$25.42
590 Super L 4WD w/ backhoe	<b>1746</b>	\$27.89
621	<b>1750</b>	\$34.30
721	<b>1752</b>	\$42.00
821	<b>1754</b>	\$51.81
680E w/ backhoe	<b>1840</b>	\$24.01
680G w/ backhoe	<b>1850</b>	\$22.70
680H w/ backhoe	<b>1852</b>	\$25.78
680K w/ backhoe	<b>1854</b>	\$27.23
680L w/ backhoe	<b>1856</b>	\$28.03
680L 4WD w/ backhoe	<b>1857</b>	\$28.89
780 w/ backhoe	<b>1864</b>	\$29.05
780B w/ backhoe	<b>1866</b>	\$32.79
780C w/ backhoe	<b>1867</b>	\$33.73
780D w/ backhoe	<b>1868</b>	\$34.57
780D 4WD w/ backhoe	<b>1869</b>	\$36.06

**CATERPILLAR**      **[ CAT ]**

<u>Model</u>	Code	Rate
416 w/ backhoe	<b>1860</b>	\$19.35
416 Series II w/ backhoe	<b>1860A</b>	\$19.61
416B 4WD w/ extend-a-hoe	<b>1861A</b>	\$24.92
416C 4WD w/ backhoe	<b>1861C</b>	\$25.16
426 w/ backhoe	<b>1862</b>	\$21.90
426 Series II w/ backhoe	<b>1862A</b>	\$22.16
426C w/ backhoe	<b>1862C</b>	\$27.01
426C 4WD w/ backhoe	<b>1862C4</b>	\$27.79
428 w/ backhoe	<b>1864</b>	\$21.86
428 Series II w/ backhoe	<b>1864A</b>	\$22.14
436 w/ backhoe	<b>1866</b>	\$23.61
436 Series II w/ backhoe	<b>1866A</b>	\$23.83
446 w/ backhoe	<b>1868</b>	\$32.19
446B w/ backhoe	<b>1868B</b>	\$35.94
910	<b>1870</b>	\$21.00
910E	<b>1870E</b>	\$25.28
916	<b>1885</b>	\$28.61
920	<b>1894</b>	\$25.39
926	<b>2065</b>	\$31.71
926E	<b>2067</b>	\$35.57
928G	<b>2070G</b>	\$43.13
930 41K serial	<b>2088</b>	\$30.44
936	<b>2100</b>	\$39.28
936E	<b>2110</b>	\$43.30
936F	<b>2120</b>	\$45.09
938F	<b>2130</b>	\$46.82
950 90A serial	<b>2228</b>	\$26.64
950 31K & 81J serial	<b>2270</b>	\$38.96
950B	<b>2272</b>	\$49.58
950E	<b>2300</b>	\$54.39
950F	<b>2301</b>	\$56.85
950F Series II	<b>2303</b>	\$61.25
950G	<b>2310</b>	\$64.07
966C	<b>2340</b>	\$62.76
966D	<b>2350</b>	\$66.18

966E	2360	\$74.72	JD-444E	2521	\$28.33
966F	2361	\$76.71	JD-500C w/ backhoe	2592	\$23.57
966G	2362	\$86.72	JD-510 w/ backhoe	2620	\$19.81
970F	2370	\$90.51	JD-510B w/ backhoe	2625	\$21.53
980B	2376	\$65.99	JD-510C w/ backhoe	2630	\$24.59
980C	2378	\$97.02	JD-510D w/ backhoe	2630D	\$30.18
980F	2381	\$101.15	JD-544B	2660	\$28.74
980G	2382	\$111.25	JD-544C	2670	\$30.49
988 87A6868 serial	2398	\$78.23	JD-544D	2672	\$29.31
988B 50W serial	2436	\$143.29	JD-544E	2673	\$32.82
992B 25K serial	2460	\$149.08	JD-544G	2673B	\$38.96
992C	2470	\$282.52	JD-610B w/ backhoe	2690	\$24.63
IT 12	2472	\$21.84	JD-610C w/ backhoe	2691	\$26.81
IT 12B	2472B	\$25.71	JD-624E	2700	\$40.21
IT 14F	2473	\$30.46	JD-624H	2700H	\$50.73
IT 18	2474	\$27.23	JD-644B	2710	\$39.79
IT 18B	2475	\$31.21	JD-644C	2715	\$42.98
IT 28	2476	\$32.23	JD-644D	2717	\$42.65
IT 28B	2477	\$36.34	JD-644E	2719	\$48.76
IT 28F	2477G	\$42.83	JD-644G	2719B	\$59.32
IT 28G	2478	\$44.90	JD-710B w/ backhoe	2720	\$30.63
IT 38G	2480	\$51.51	JD-710C w/ backhoe	2721	\$34.60
IT 62G	2482	\$71.21	JD-710D w/ backhoe	2722	\$39.34
<b>CLARK</b>	<b>[ CLRK ]</b>		JD-710D 4WD w/ backhoe	2722D	\$41.46
<u>Model</u>	Code	Rate	JD-744H	2723	\$87.25
35C	2484	\$24.78	JD-844	2725	\$76.38
45C	2486	\$29.08	<b>DRESSER</b>	<b>[ DRES ]</b>	
55C	2488	\$34.63	<u>Model</u>	Code	Rate
75C	2491	\$46.58	510B	2310	\$23.41
125B	2492	\$55.98	510C	2310C	\$31.77
275B	2496	\$98.76	515B	3517	\$30.05
275C	2497	\$119.04	515C	3517C	\$38.16
<b>JOHN DEERE</b>	<b>[ DEER ]</b>		520B	3519	\$35.22
<u>Model</u>	Code	Rate	520C	3519C	\$45.80
JD-210C	2485	\$13.99	530	3520	\$50.43
JD-210C w/ backhoe	2490	\$15.41	530C	3520C	\$60.00
JD-210LE	2495	\$19.50	540	3530	\$69.07
JD-310A w/ backhoe	2504	\$16.03	550	3540	\$75.28
JD-310B w/ backhoe	2506	\$16.78	<b>FIAT-ALLIS</b>	<b>[ F-A ]</b>	
JD-310C w/ backhoe	2507	\$18.13	<u>Model</u>	Code	Rate
JD-310D w/ backhoe	2507D	\$21.54	545B	3042	\$27.41
JD-310E w/ backhoe	2507E	\$21.77	745C	3046	\$53.12
JD-310SE w/ backhoe	2507F	\$24.22	FR 10	3049H	\$29.89
JD-315SE w/ backhoe	2507H	\$24.88	FR 10B	3049I	\$34.02
JD-410 w/ backhoe	2508	\$18.01	FR 20	3050	\$64.68
JD-410B w/ backhoe	2509	\$18.76	FR 30	3051	\$86.61
JD-410C w/ backhoe	2509F	\$21.32	FR 20B	3051B	\$75.17
JD-410D w/ backhoe	2509G	\$26.11	FR 35	3052	\$120.38
JD-410E w/ backhoe	2509H	\$27.34			
JD-444	2510	\$23.08			
JD-444C	2515	\$25.25			
JD-444D	2520	\$25.22			

<b>FORD</b>	<b>[ FORD ]</b>		90Z III	<b>4350</b>	\$89.19
<u>Model</u>	Code	Rate	90Z IV	<b>4355</b>	\$93.20
545C	<b>3054</b>	\$15.68	95Z IV-2	<b>4360</b>	\$121.27
650 w/ backhoe	<b>3056</b>	\$16.34	<b>KOMATSU</b>	<b>[ KOMA ]</b>	
655A w/ backhoe	<b>3056F</b>	\$20.87	<u>Model</u>	Code	Rate
655C w/ backhoe	<b>3056G</b>	\$24.27	W 120-3	<b>4520</b>	\$57.23
750 w/ backhoe	<b>3057</b>	\$22.74	W 180-1	<b>4525</b>	\$82.28
755 w/ backhoe	<b>3061</b>	\$26.24	WA 200-1	<b>4536</b>	\$33.99
755B w/ backhoe	<b>3063</b>	\$30.30	WA 250-1	<b>4537</b>	\$46.37
755A w/ backhoe	<b>3065</b>	\$28.76	WA 300-1	<b>4538</b>	\$43.68
A-62	<b>3114</b>	\$25.33	WA 320-1	<b>4539</b>	\$52.86
A-64	<b>3116</b>	\$30.67	WA 350-1	<b>4540</b>	\$53.56
A-66	<b>3118</b>	\$41.13	WA 380-1	<b>4541</b>	\$62.54
<b>FURUKAWA</b>	<b>[ FURU ]</b>		WA 400-1	<b>4542</b>	\$62.96
<u>Model</u>	Code	Rate	WA 450-1	<b>4544</b>	\$80.87
FL 320A	<b>3120M</b>	\$55.55	WA 450-2	<b>4544B</b>	\$92.17
FL 330	<b>3120S</b>	\$60.90	WA 470-1	<b>4545</b>	\$88.97
<b>HOUGH</b>	<b>[ HOUG ]</b>		WA 500-1	<b>4546</b>	\$108.09
<u>Model</u>	Code	Rate	WA 600-1	<b>4550</b>	\$168.21
H65C	<b>3578</b>	\$35.74	<b>MASSEY FERGUSON</b>	<b>[ M-F ]</b>	
H-90E	<b>3884</b>	\$67.44	<u>Model</u>	Code	Rate
H-100C	<b>3954</b>	\$76.17	MF 44C	<b>5143</b>	\$28.37
<b>INTERNATIONAL</b>	<b>[ INTL ]</b>		MF 50H Series S	<b>5150</b>	\$16.55
<u>Model</u>	Code	Rate	MF 50H Series S, 4WD	<b>5152</b>	\$17.30
260A	<b>2260</b>	\$15.51	MF 50HX Series S	<b>5154</b>	\$17.62
260A w/ backhoe	<b>2270</b>	\$17.30	MF 50HX Series S, 4WD	<b>5156</b>	\$18.57
270A w/ backhoe	<b>2280</b>	\$19.11	MF 55C	<b>5170</b>	\$36.78
280A w/ backhoe	<b>2285</b>	\$25.00	MF 60 w/ backhoe	<b>5171</b>	\$18.83
<b>J C B</b>	<b>[ JCB ]</b>		MF 60H Series S w/ hoe	<b>5172</b>	\$20.09
<u>Model</u>	Code	Rate	MF 66C	<b>5174</b>	\$48.26
214S w/ backhoe	<b>4430</b>	\$25.49	MF 80 w/ backhoe	<b>5182</b>	\$25.79
215S w/ backhoe	<b>4435</b>	\$28.46	MF 88	<b>5184</b>	\$76.56
217S w/ backhoe	<b>4440</b>	\$32.08	640	<b>6000</b>	\$17.07
3C 1550 2WD w/ hoe	<b>4448</b>	\$17.74	650	<b>6010</b>	\$18.22
3D 1700 4WD w/ hoe	<b>4450</b>	\$24.65	<b>NEW HOLLAND</b>	<b>[ NHND ]</b>	
1400B w/ backhoe	<b>4455</b>	\$20.19	<u>Model</u>	Code	Rate
1550B w/ backhoe	<b>4457</b>	\$23.16	545D	<b>0100</b>	\$16.77
1600B w/ backhoe	<b>4458</b>	\$27.01	575E w/ backhoe	<b>0110</b>	\$24.19
1700B w/ backhoe	<b>4459</b>	\$28.20	655D w/ backhoe	<b>0120</b>	\$22.87
<b>KAWASAKI</b>	<b>[ KAWA ]</b>		655E w/ backhoe	<b>0130</b>	\$25.59
<u>Model</u>	Code	Rate	675D 4WD w/ backhoe	<b>0140</b>	\$26.62
60Z IV	<b>4300</b>	\$36.17	675E 4WD w/ backhoe	<b>0150</b>	\$29.53
65Z IV	<b>4310</b>	\$42.36	<b>TEREX</b>	<b>[ TERX ]</b>	
KSS 80Z II	<b>4330</b>	\$51.01	<u>Model</u>	Code	Rate
80Z III	<b>4335</b>	\$62.45	70C	<b>7938</b>	\$72.35
80Z IV	<b>4340</b>	\$65.91	72-61	<b>8036</b>	\$87.51
85Z IV	<b>4345</b>	\$81.25	72-71B	<b>8055</b>	\$118.31
			72-81	<b>8080</b>	\$148.20



**VOLVO-MICHIGAN-EUCLID [ VME ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
175B	<b>6186</b>	\$64.67
175C	<b>6186C</b>	\$86.00
275B	<b>6330</b>	\$84.25
275C	<b>6330C</b>	\$119.04
L-70C	<b>9570C</b>	\$39.16
L-90	<b>9575</b>	\$48.39
L-120	<b>9595</b>	\$62.21
L-120C	<b>9595C</b>	\$61.78
L-150C	<b>9598C</b>	\$78.60
L-160	<b>9600</b>	\$84.75
L-180C	<b>9602C</b>	\$90.46
L-190	<b>9605</b>	\$99.41

**LEADS, PILE DRIVING [ LEADS ]****DELAY FACTOR = 0.50 OVERTIME FACTOR = 0.54****FIXED [ FIXD ]**

Includes headblock, taper top, tip sled and connector, foot yoke, foot yoke sheave, intermediate flights, and all attachments and accessories. Rated in accordance with height of the lead measured in meters (linear feet)

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	16.8 (55) (w/o spotter)	<b>0100</b>	\$14.75
16.8 (55)	32.0 (105) (w/o spotter)	<b>0200</b>	\$18.83
over	32.0 (105) (w/o spotter)	<b>0300</b>	\$23.61
0	16.8 (55) (w/ spotter)	<b>1100</b>	\$24.91
16.8 (55)	32.0 (105) (w/ spotter)	<b>1200</b>	\$29.76
over	32.0 (105) (w/ spotter)	<b>1300</b>	\$35.31

**SWINGING [ SWNG ]**

Includes headblock, taper top, tip sled and connector, foot yoke, foot yoke sheave, intermediate flights, and all attachments and accessories. Rated in accordance with the height of the lead measured in meters (linear feet).

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	16.8 (55) (w/o spotter)	<b>0400</b>	\$9.78
16.8 (55)	32.0 (105) (w/o spotter)	<b>0500</b>	\$13.64
over	32.0 (105) (w/o spotter)	<b>0600</b>	\$18.42
0	16.8 (55) (w/ spotter)	<b>1400</b>	\$19.94
16.8 (55)	32.0 (105) (w/ spotter)	<b>1500</b>	\$24.57
over	32.0 (105) (w/ spotter)	<b>1600</b>	\$30.12

**NON-OPERATED EQUIPMENT (DAILY [ NONOP ] RATES)****DELAY FACTOR = 0.60 OVERTIME FACTOR = 1.00**

Note various units for different items. The following allowance is entered on the extra work bill by using the (unit listed x number of days) in the hours worked column.

The following list is limited to items with long estimated lives. Additional traffic related items such as cones and barricades, are still listed under TRAFIC in this publication. Other non-operated items with short estimated lives should be treated as materials and should not be "rented". Non rented items are 1) intended to be job specific (amortized over the life of the project) and 2) have an estimated life measured by number of uses rather than a length of time.

**MISCELLANEOUS [ MISC ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Casing, 450 mm dia, per 0.3 m (Casing, 18" dia, per lf)	<b>0120</b>	\$0.04
Casing, 650 mm dia, per 0.3 m (Casing, 26" dia, per lf)	<b>0130</b>	\$0.07
Casing, 900 mm dia, per 0.3 m (Casing, 36" dia, per lf)	<b>0140</b>	\$0.10
Casing, 1800 mm dia, per 0.3 m (Casing, 72" dia, per lf)	<b>0150</b>	\$0.25
Casing, 2400 mm dia, per 0.3 m (Casing, 96" dia, per lf)	<b>0160</b>	\$0.31
Casing, 2700 mm dia, per 0.3 m (Casing, 108" dia, per lf)	<b>0170</b>	\$0.35
Casing, 3000 mm dia, per 0.3 m (Casing, 120" dia, per lf)	<b>0180</b>	\$0.46
Pile, all depths "H" pile, per 45.0 kg (Pile, all depths "H" pile, per hundred-weight)	<b>0190</b>	\$0.04
Pipe, 250-300 mm dia, per 0.3 m (Pipe, 10-12" dia, per lf)	<b>0200</b>	\$0.03
Plate, 22 mm thick, per 9.3 sm (Plate, 7/8" thick, per 100 sf)	<b>0210</b>	\$1.49
Plate, 25 mm thick, per 9.3 sm (Plate, 1" thick, per 100 sf)	<b>0220</b>	\$1.69
Plate, 38 mm thick, per 9.3 sm (Plate, 1.5" thick, per 100 sf)	<b>0230</b>	\$2.54

**SCAFFOLDING, SHORING, FALSEWORK [ SSFW ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Metal form, 1.8 m x3.0 m, per 14.6 m (Metal form, 6x10 box culvert, per 48 lf)	<b>0310</b>	\$52.09
Metal form, 2.4 m x3.7 m, per 15.2 m (Metal form, 8x12 box culvert, per 50 lf)	<b>0320</b>	\$57.71
Metal form, 2.1 m x4.3 m, per 15.2 m (Metal form, 7x14 box culvert, per 50 lf)	<b>0330</b>	\$63.40
Metal form, type 25 barrier, per 3.0 m (Metal form, type 25 barrier, per 10 lf)	<b>0340</b>	\$3.20
Metal form, type 26 barrier, per 3.0 m (Metal form, type 26 barrier, per 10 lf)	<b>0350</b>	\$3.38
Metal form, type 27 barrier, per 3.0 m (Metal form, type 27 barrier, per 10 lf)	<b>0360</b>	\$2.92
Metal form, type 50 barrier, per 3.0 m (Metal form, type 50 barrier, per 10 lf)	<b>0370</b>	\$3.15

Metal form, 1.8 m x 3.7 m girder panel, per 0.1 sm ( 6x12 girder panel, per sf)	<b>0380</b>	\$0.28	Wood, 150 mm x455 mm, per 30.5 m (Wood, 6"x18", per 100 lf)	<b>0640</b>	\$1.31
Metal form, all heights paving, per 3.0 m (Metal form, all heights paving, per 10 lf)	<b>0390</b>	\$0.05	Wood, 205 mm x405 mm, per 30.5 m (Wood, 8"x16", per 100 lf)	<b>0645</b>	\$1.61
Scaffolding, 1.5 m section, per section (Scaffolding, 5' section, per section)	<b>0410</b>	\$0.66	Wood, 305 mm x455 mm, per 30.5 m (Wood, 8"x18", per 100 lf)	<b>0650</b>	\$1.81
Scaffolding, 3.0 m section, per section (Scaffolding, 10' section, per section)	<b>0420</b>	\$1.49	Wood, 305 mm x305 mm, per 30.5 m (Wood, 12"x12", per 100 lf)	<b>0655</b>	\$1.56
Scaffolding, 4.6 m section, per section (Scaffolding, 15' section, per section)	<b>0430</b>	\$1.96	Wood form, type 27 barrier, per 2.4 m (Wood form, type 27 barrier, per 8 lf)	<b>0660</b>	\$0.34
Scaffolding, bottom/top section, per 1.5 m section (per 5 ft section)	<b>0440</b>	\$0.92	Wide flange beam, all depths, per 45 kg (Wide flange beam, all depths, per hundred wt.)	<b>0670</b>	\$0.04
Scaffolding, 2.1 m high, rolling (Scaffolding, 7' high, rolling)	<b>0450</b>	\$1.39	<b>TANK [ TANK ]</b>		
Scaffolding, spider staging, plus air compressor	<b>0460</b>	\$28.80	<u>Model</u>	Code	Rate
Shoring, 1.1 m deep x 2235 mm wide, per section (Shoring, 3.5' deep x 88" wide trench, per section)	<b>0510</b>	\$1.49	Tank, metal, 0-2270 liters (0-600 gallons)	<b>0710</b>	\$0.88
Shoring, 1.2 m deep x 3.7 m wide box, per 7.3 m (Shoring, 4' deepx12' wide trench box, per 24')	<b>0515</b>	\$14.19	Tank, metal, 2270-4540 liters (600-1200 gal)	<b>0720</b>	\$1.20
Shoring, 1.5 m deep x 2235 mm wide, per section (Shoring, 5' deep x 88" wide trench, per section)	<b>0520</b>	\$1.56	Tank, metal, 4540-9840 liters (1200-2600 gal)	<b>0730</b>	\$2.99
Shoring, 2.1 m deep x 1397 mm wide, per section (Shoring, 7' deep x 55" wide trench, per section)	<b>0530</b>	\$1.38	Tank, metal, 22 710 liters (6000 gallons)	<b>0740</b>	\$6.01
Shoring, 2.1 m deep x 2235 mm wide, per section (Shoring, 7' deepx88" wide trench, per section)	<b>0540</b>	\$1.65	Tank, metal, 28 390 liters (7500 gallons)	<b>0750</b>	\$7.54
Shoring, 2.4 m deep x 4.6 m wide, per 3.0 m (Shoring, 8' deepx15' wide trench box, per 10')	<b>0550</b>	\$11.78	Tank, metal, 30 280 liters ( 8000 gallons)	<b>0760</b>	\$7.97
Shoring, 2.4 m deep x 2.4 m max width, per 7.3 m (8' deep x 8' max width trench box, per 24' )	<b>0560</b>	\$23.05	Tank, metal, 37 850 liters (10000 gallons)	<b>0770</b>	\$8.85
Shoring, 3.0 m deep x 2.4 m max box, per 4.9 m (Shoring, 10' deepx8' max trench box, per 16')	<b>0570</b>	\$20.72	<b>TRAFFIC SAFETY [ TRAF ]</b>		
Shoring, 3.0 m deep x 2.4 m max box, per 7.3 m (Shoring, 10' deepx8' max trench box, per 24')	<b>0580</b>	\$28.74	<u>Model</u>	Code	Rate
Wood, 50 mm x255 mm, per 30.5 m (Wood, 2"x10", per 100 lf)	<b>0605</b>	\$0.19	Crash cushion barrel, filled, each	<b>0810</b>	\$0.59
Wood, 50 mm x305 mm, per 30.5 m (Wood, 2"x12", per 100 lf)	<b>0610</b>	\$0.24	K-rail, temporary concrete barrier, per 6.1 m (20 lf)	<b>0820</b>	\$0.58
Wood, 100mm x100mm, per 30.5 m (Wood, 4"x4", per 100 lf)	<b>0615</b>	\$0.16	<b>PAVEMENT GRINDERS, DIAMOND [ PGDIA ] BLADES</b>		
Wood, 100 mm x150 mm, per 30.5 m (Wood, 4"x6", per 100 lf)	<b>0620</b>	\$0.23	<b>DELAY FACTOR = 0.13 OVERTIME FACTOR = 0.88</b>		
Wood, 100 mm x205 mm, per 30.5 m (Wood, 4"x8", per 100 lf)	<b>0625</b>	\$0.32	Includes water(but not water truck or trailer), coolant, cutting compounds and all attachments and accessories. Replacement blades are included in the rates listed below.		
Wood, 100 mm x305 mm, per 30.5 m (Wood, 4"x12", per 100 lf)	<b>0630</b>	\$0.49	<b>CONCUT [ CCUT ]</b>		
Wood, 150 mm x305 mm, per 30.5 m (Wood, 6"x12", per 100 lf)	<b>0635</b>	\$0.81	<u>Model</u>	Code	Rate
			BC-38 (136 blades)	<b>0500</b>	\$127.13
			BC-244 (187 blades)	<b>0505</b>	\$162.84
			BC-1268 (48 blades)	<b>0510</b>	\$53.77
			<b>CUSHION CUT [ CUCT ]</b>		
			<u>Model</u>	Code	Rate
			HG-130A (127 blades)	<b>0600</b>	\$134.06
			PC-390(171 blades)	<b>0610</b>	\$202.63
			<b>PENHALL [ PENH ]</b>		
			<u>Model</u>	Code	Rate
			G-38 (172 blades)	<b>0800</b>	\$255.55

<b>TARGET</b>	<b>[ TARG ]</b>	
<u>Model</u>	Code	Rate
CG-65 (41 blades)	<b>0900</b>	\$91.10
PRM-3804 (170 blades)	<b>0905</b>	\$280.45

**PAVEMENT GRINDERS, TUNGSTEN- [ PGT-C ]  
CARBIDE BITS**

**DELAY FACTOR = 0.21 OVERTIME FACTOR = 0.82**

Includes water (but not water truck or trailer), coolant, cutting compounds and all attachments and accessories. Replacement bits or tips are included in the rates listed below.

<b>BARBER-GREENE</b>	<b>[ B-G ]</b>	
<u>Model</u>	Code	Rate
RX-20	<b>0100</b>	\$122.84
RX-30	<b>0105</b>	\$193.58
RX-40B	<b>0110</b>	\$215.69
RX-50	<b>0115</b>	\$254.11
RX-80B	<b>0120</b>	\$402.84

<b>CATERPILLAR</b>	<b>[ CAT ]</b>	
<u>Model</u>	Code	Rate
PM-800	<b>0200</b>	\$328.11
PR-105	<b>0201</b>	\$65.32
PR-275	<b>0205</b>	\$171.64
PR-450	<b>0210</b>	\$235.67
PR-750	<b>0215</b>	\$319.47
PR-750B	<b>0216</b>	\$345.69
PR-1000	<b>0220</b>	\$447.17

<b>C.M.I.</b>	<b>[ CMI ]</b>	
<u>Model</u>	Code	Rate
PR-275 RT	<b>0150</b>	\$159.57
PR-375	<b>0155</b>	\$193.79
PR-450	<b>0160</b>	\$223.24
PR-525	<b>0165</b>	\$224.27
PR-500FL	<b>0170</b>	\$259.60
PR-750	<b>0175</b>	\$302.24
PR-800-7	<b>0177</b>	\$326.36
PR-1000	<b>0180</b>	\$403.17

<b>INGERSOLL-RAND</b>	<b>[ I-R ]</b>	
<u>Model</u>	Code	Rate
MW-175	<b>0280</b>	\$69.00
MW-250	<b>0285</b>	\$77.08
MW-250C	<b>0286</b>	\$95.15
MT-6520 (crawler)	<b>0300</b>	\$222.79
MW-6520	<b>0305</b>	\$164.68
MW-6520HC	<b>0310</b>	\$196.92
MT-7000	<b>0315</b>	\$275.74

<b>WIRTGEN</b>	<b>[ WIRT ]</b>	
<u>Model</u>	Code	Rate
300VC	<b>0380</b>	\$28.88
1000VC	<b>0390</b>	\$115.55
1900DC	<b>0395</b>	\$239.40
2000VC	<b>0400</b>	\$233.91
2100VC	<b>0402</b>	\$300.99
2200VC	<b>0405</b>	\$373.74
3500VC	<b>0410</b>	\$386.05
4200VC	<b>0420</b>	\$404.00

**PUMPS, WATER [ PUMWA ]**

**DELAY FACTOR = 0.43 OVERTIME FACTOR = 0.60**

Centrifugal and diaphragm types (including submersibles). Rate includes power (gas, diesel or electric generator), 7.6 meters (25 lineal feet) of suction hose, 15.2 meters (50 lineal feet) of discharge hose, foot valve and all fittings, attachments and accessories.

<b>A PUMP</b>	<b>[ APMP ]</b>	
Listed by Mfr's rated capacity measured in thousands of liters per minute (thousands of gallons per hour) at 3.0 meters (10 feet) of suction head.		
<u>OVER</u>	<u>TO</u>	Code Rate
0	0.6 (10)	<b>000-010</b> \$1.78
0.6 (10)	1.3 (20)	<b>010-020</b> \$2.43
1.3 (20)	1.9 (30)	<b>020-030</b> \$3.39
1.9 (30)	3.2 (50)	<b>030-050</b> \$10.31
3.2 (50)	7.9 (125)	<b>050-125</b> \$13.39
7.9 (125)	15.8 (250)	<b>125-250</b> \$16.50

<b>INLET-SUCTION HOSE</b>	<b>[ INHS ]</b>	
Additional 7.6 meter (25 foot) lengths of suction hose shall be paid based on the inside hose diameter in millimeters (inches).		
<u>OVER</u>	<u>TO</u>	Code Rate
0	60 (2.5)	<b>0-2.5</b> \$0.05
60 (2.5)	80 (3)	<b>2.5-3.5</b> \$0.09
80 (3)	100 (4)	<b>3.5-4</b> \$0.13
100 (4)	150 (6)	<b>4-6</b> \$0.21

<b>OUTLET-DISCHARGE HOSE</b>	<b>[ OUHS ]</b>	
Additional 15.2 meter (50 foot) lengths of discharge hose shall be paid based on the inside hose diameter in millimeters (inches).		
<u>OVER</u>	<u>TO</u>	Code Rate
0	60 (2.5)	<b>0-2.5</b> \$0.04
60 (2.5)	90 (3.5)	<b>2.5-3.5</b> \$0.07
90 (3.5)	100 (4)	<b>3.5-4</b> \$0.10
100 (4)	150 (6)	<b>4-6</b> \$0.14

## ROLLERS, TANDEM STEEL WHEELS [ ROL-2 ]

**DELAY FACTOR = 0.23      OVERTIME FACTOR = 0.79**

Includes all attachments and accessories.

### BOMAG

#### [ BMAG ]

<u>Model</u>	Code	Rate
BW-4AS	<b>1150</b>	\$13.55
BW-6AS	<b>1155</b>	\$15.27
BW-10AS	<b>1160</b>	\$24.63
BW-12AS	<b>1165</b>	\$25.45

### DRESSER

#### [ DRES ]

<u>Model</u>	Code	Rate
S3-5B	<b>2500</b>	\$16.68
S8-12A	<b>2520</b>	\$23.21
S10-14A	<b>2525</b>	\$24.02

### FERGUSON

#### [ FERG ]

<u>Model</u>	Code	Rate
3-5 ton	<b>4048</b>	\$8.91
3-5A	<b>4048A</b>	\$10.30
4-6A	<b>4142A</b>	\$10.45
5-8 ton	<b>4236</b>	\$21.69
5-8A	<b>4240</b>	\$19.20
8-12 ton	<b>4424</b>	\$19.33
8-12B	<b>4424B</b>	\$22.57
8-12A	<b>4430</b>	\$20.24
10-14 ton	<b>4450</b>	\$20.27
10-14A	<b>4455</b>	\$20.78
10-14B	<b>4455B</b>	\$23.15

### GALION

#### [ GALN ]

<u>Model</u>	Code	Rate
4-6 ton roll-o-static	<b>4650</b>	\$13.59
S4-6A, S4-6B	<b>4670</b>	\$16.37
5-8 ton roll-o-static	<b>4800</b>	\$16.22
S5-8A	<b>4820</b>	\$20.39
8-10.5 ton roll-o-static	<b>4988</b>	\$16.89
S8-10.5A	<b>5000</b>	\$21.12
8-12 ton roll-o-static	<b>5176</b>	\$17.21
S8-12A	<b>5190</b>	\$21.81

### HYSTER

#### [ HYST ]

<u>Model</u>	Code	Rate
C 330A 3-5 ton	<b>6520</b>	\$16.12
C 330B 3-5 ton (Hypac)	<b>6520B</b>	\$15.00
C 330A 4-6 ton	<b>6525</b>	\$17.56
C 330B 4-6 ton (Hypac)	<b>6526</b>	\$17.14
C 340A 5-8 ton	<b>6530</b>	\$17.92
C 340A 8-10 ton	<b>6540</b>	\$18.49
C 340B 5-8 ton	<b>6545</b>	\$19.47

C 340C 5-8 ton (Hypac)	<b>6546</b>	\$22.50
C 340B 8-10 ton	<b>6548</b>	\$20.22
C 340C 8-10 ton (Hypac)	<b>6549</b>	\$22.98
C 350B 8-12 ton	<b>6710</b>	\$19.44
C 350B 10-14 ton	<b>6740</b>	\$19.95
C 350C 8-12 ton	<b>6750</b>	\$21.59
C 350C 10-14 ton	<b>6755</b>	\$22.32
C 350D 8-12 ton	<b>6757</b>	\$23.14

### INGRAM

#### [ INGM ]

<u>Model</u>	Code	Rate
4-6 ton FB	<b>6900</b>	\$12.98
5-6.5 ton FB	<b>6965</b>	\$14.63
8-12 ton HB	<b>7175</b>	\$20.44
10-14 ton HB	<b>7275</b>	\$21.08

### REXNORD

#### [ RXND ]

<u>Model</u>	Code	Rate
3-5 ton	<b>8566</b>	\$10.74
4-6 ton	<b>8572</b>	\$11.34
5-8 ton	<b>8578</b>	\$22.33
7-10 ton	<b>8584</b>	\$22.53
8-12 ton	<b>8590</b>	\$22.89
10-14 ton	<b>8596</b>	\$23.23

## ROLLERS, RUBBER TIRE, SELF PROPELLED [ ROLRT ]

**DELAY FACTOR = 0.30      OVERTIME FACTOR = 0.73**

Includes all attachments and accessories.

### BUFFALO-BOMAG

#### [ B-B ]

<u>Model</u>	Code	Rate
BW 20R	<b>2624</b>	\$17.27

### CATERPILLAR

#### [ CAT ]

<u>Model</u>	Code	Rate
PS 110	<b>3460</b>	\$26.30
PS 130	<b>3465</b>	\$25.70
PS 180	<b>3470</b>	\$27.96

### DYNAPAC

#### [ DYPC ]

<u>Model</u>	Code	Rate
CP 15	<b>3500</b>	\$24.21
CP 21	<b>3510</b>	\$33.78
CP 27	<b>3520</b>	\$41.94

### GALION

#### [ GALN ]

<u>Model</u>	Code	Rate
3500	<b>4310</b>	\$18.93
P 3000	<b>4315</b>	\$20.58
P 3500A	<b>4320</b>	\$21.66

<b>HYSTER</b>	<b>[ HYST ]</b>	
<u>Model</u>	Code	Rate
C 530A	<b>5401</b>	\$24.04
C 550A	<b>5494</b>	\$25.27

**ROLLER-TAMPING, SEGMENTED, [ ROTAM ]  
SHEEPSFOOT, SELF PROPELLED**

**DELAY FACTOR = 0.21 OVERTIME FACTOR = 0.82**  
Includes all attachments and accessories.

<b>BUFFALO-BOMAG</b>	<b>[ B-B ]</b>	
<u>Model</u>	Code	Rate
K 300	<b>1630</b>	\$35.99
K 301	<b>1635</b>	\$46.48
K 401	<b>1638</b>	\$61.64

<b>CATERPILLAR</b>	<b>[ CAT ]</b>	
<u>Model</u>	Code	Rate
815	<b>2300</b>	\$50.94
815B	<b>2310</b>	\$85.10
815F	<b>2320</b>	\$90.74
825B	<b>2500</b>	\$80.98
825C	<b>2510</b>	\$126.32
835	<b>2700</b>	\$96.99

<b>RAYGO</b>	<b>[ RAGO ]</b>	
<u>Model</u>	Code	Rate
30	<b>6490</b>	\$37.57
45	<b>6500</b>	\$60.40
RAM PAK 45	<b>6505</b>	\$66.61

<b>REXNORD</b>	<b>[ RXND ]</b>	
<u>Model</u>	Code	Rate
3-30	<b>7120</b>	\$46.85
3-35 PACTOR	<b>7127</b>	\$69.21
3-45 PACTOR	<b>7130</b>	\$85.07
3-50, 3-50A PACTOR	<b>7140</b>	\$82.81
3-55, 3-55B PACTOR	<b>7150</b>	\$112.92

**ROLLERS-TAMPING, SEGMENTED, [ ROTAT ]  
SHEEPSFOOT, TOWED**

**DELAY FACTOR = 0.49 OVERTIME FACTOR = 0.56**  
Includes all attachments and accessories. Listed by drum dimensions in millimeters (feet) in either direction. The first digit is the diameter and the second digit is the length of each drum.

<b>SINGLE DRUM UNIT</b>	<b>[ ADRU ]</b>	
<u>Model</u>	Code	Rate
1220 mm x1220 mm (4'X4') & under	<b>4X4</b>	\$1.26
over 1220 mm (4') - not over 1520 mm (5')	<b>4X5</b>	\$1.46
over 1520 mm (5')	<b>5</b>	\$2.60

<b>DOUBLE DRUM UNIT</b>	<b>[ DDRU ]</b>	
<u>Model</u>	Code	Rate
1220 mm x1220 mm (4'X4') & under, each	<b>4X4</b>	\$3.23
over 1220 mm (4') - not over 1520 mm (5'), each	<b>4X5</b>	\$10.59
over 1520 mm (5'), each	<b>5</b>	\$17.88

**ROLLERS, VIBRATORY, SELF [ ROVIB ]  
PROPELLED**

**DELAY FACTOR = 0.31 OVERTIME FACTOR = 0.72**  
Includes all attachments and accessories.

<b>BUFFALO-BOMAG</b>	<b>[ B-B ]</b>	
<u>Model</u>	Code	Rate
BW 210	<b>2060</b>	\$30.70
BW 210A	<b>2070</b>	\$32.78
BW 213	<b>2080</b>	\$31.86
BW 214	<b>2090</b>	\$33.65

<b>BOMAG</b>	<b>[ BMAG ]</b>	
<u>Model</u>	Code	Rate
BW 35	<b>0700</b>	\$4.94
BW 60, 60S	<b>0800</b>	\$6.67
BW 65, 65S	<b>0900</b>	\$4.77
BW 75, 75S	<b>1000</b>	\$7.43
BW 85T	<b>1200</b>	\$14.03
BW 90	<b>1300</b>	\$8.17
BW 120AD	<b>1350</b>	\$19.36
BW 142PD	<b>1359</b>	\$26.88
BW 151AD	<b>1365</b>	\$39.34
BW 170AD, D	<b>1380</b>	\$31.28
BW 172AD, D	<b>1385</b>	\$32.89
BW 202AD	<b>1400</b>	\$53.61

<b>BROS</b>	<b>[ BROS ]</b>	
<u>Model</u>	Code	Rate
VM 255	<b>2023</b>	\$33.04
VM 268, VM 268H	<b>2024</b>	\$41.09
VM 278	<b>2025</b>	\$55.94

<b>CASE</b>	<b>[ CASE ]</b>	
<u>Model</u>	Code	Rate
50B	<b>2228</b>	\$4.33
W 251	<b>2400</b>	\$14.44
252, W 252	<b>2405</b>	\$16.68
752, W 752	<b>2450</b>	\$34.91
1102, W 1102	<b>2500</b>	\$41.91
1102D, W 1102D	<b>2505</b>	\$47.03
602D	<b>2510</b>	\$29.41
752B	<b>2520</b>	\$38.33

<b>CATERPILLAR</b>			<b>[ CAT ]</b>			CC 10A	<b>2472</b>	\$14.05
<u>Model</u>	Code	Rate				CC 12	<b>2472E</b>	\$19.71
CB 214	<b>8025</b>	\$16.13				CC 14	<b>2473</b>	\$28.35
CB 214B	<b>8026</b>	\$17.43				CC 21	<b>2474</b>	\$33.42
CB 224	<b>8030</b>	\$17.29				CC 21 II	<b>2474B</b>	\$36.75
CB 224B	<b>8031</b>	\$19.40				CC 211	<b>2474C</b>	\$42.55
CB 314	<b>8035</b>	\$19.18				CC 42 II Dynatronic	<b>2475</b>	\$51.01
CP 323 padfoot drum	<b>8040</b>	\$33.53				CC 42A	<b>2476</b>	\$49.88
CS 323 smooth drum	<b>8042</b>	\$31.06				CC 50	<b>2482</b>	\$48.97
CB 414	<b>8045</b>	\$34.34				CC 50A	<b>2488</b>	\$61.75
CS 431	<b>8050</b>	\$30.34				CC 50PD	<b>2488E</b>	\$99.03
CS 431B	<b>8051</b>	\$39.65				CC 50S	<b>2489</b>	\$90.38
CP 433 padfoot drum	<b>8055</b>	\$37.16				DD 18	<b>2498</b>	\$6.35
CP 433B padfoot drum	<b>8056</b>	\$46.32				300V	<b>2499E</b>	\$8.37
CS 433 smooth drum	<b>8060</b>	\$34.57				2100V	<b>2499H</b>	\$8.21
CS 433B smooth drum	<b>8061</b>	\$43.21				<b>ESSICK</b>	<b>[ ESIK ]</b>	
CB 434	<b>8062</b>	\$40.12				<u>Model</u>	Code	Rate
CB 514	<b>8065</b>	\$42.97				VR 30RE	<b>2700</b>	\$5.61
CB 534	<b>8067</b>	\$52.90				VR 42RE	<b>2820</b>	\$14.32
CS 551	<b>8070</b>	\$51.99				V 30WR, V 30W2-R	<b>2902</b>	\$5.58
CP 553 padfoot drum	<b>8075</b>	\$57.07				<b>HYSTER</b>	<b>[ HYST ]</b>	
CS 553 smooth drum	<b>8080</b>	\$53.34				<u>Model</u>	Code	Rate
CP 563 padfoot drum	<b>8082</b>	\$62.81				C 612B	<b>3450</b>	\$35.75
CS 563 smooth drum	<b>8083</b>	\$58.75				C 610A	<b>3500</b>	\$21.34
CS 563C	<b>8083C</b>	\$59.01				C 610B	<b>3540</b>	\$33.88
CB 614	<b>8085</b>	\$63.66				C 615B	<b>3562</b>	\$36.11
CB 634	<b>8095</b>	\$65.13				C 617B	<b>3563</b>	\$36.62
CB 634C	<b>8095C</b>	\$67.91				C 620B	<b>3566</b>	\$35.48
<b>DYNAPAC</b>			<b>[ DYPC ]</b>			C 625B	<b>3570</b>	\$37.28
<u>Model</u>	Code	Rate				C 627B	<b>3572</b>	\$37.97
LR 90	<b>2401</b>	\$8.46				C 727A	<b>3572E</b>	\$49.01
A 36V, A 36D	<b>2405</b>	\$21.72				C 748A (Hypac/Hyster)	<b>3572F</b>	\$20.70
CA 12	<b>2409A</b>	\$24.80				C 766A	<b>3572G</b>	\$47.32
CA 12D	<b>2409B</b>	\$24.60				C 766B (Hypac/Hyster)	<b>3572H</b>	\$56.26
CA 12PD	<b>2409E</b>	\$25.11				C 850A	<b>3572J</b>	\$49.90
CA 12PDB strikeoff blade	<b>2409H</b>	\$24.89				C 850B (Hypac/Hyster)	<b>3572K</b>	\$62.73
CA 15	<b>2410</b>	\$36.16				C 852A	<b>3572N</b>	\$55.74
CA 15A	<b>2420</b>	\$35.66				C 852B (Hypac/Hyster)	<b>3572P</b>	\$66.29
CA 15D	<b>2421</b>	\$39.84				C 860A	<b>3572S</b>	\$54.35
CA 20D	<b>2422</b>	\$35.04				C 860B (Hypac/Hyster)	<b>3572T</b>	\$63.45
CA 15PD	<b>2425</b>	\$36.75				<b>INGERSOLL-RAND</b>	<b>[ I-R ]</b>	
CA 25	<b>2430</b>	\$47.20				<u>Model</u>	Code	Rate
CA 25S	<b>2440</b>	\$44.74				DD 22	<b>3565</b>	\$21.77
CA 25A, CA 25D	<b>2450</b>	\$50.39				DD 23	<b>3570</b>	\$16.47
CA 25PD	<b>2455</b>	\$52.84				DD 24	<b>3572</b>	\$22.02
CA 25T	<b>2460</b>	\$37.91				DA 30	<b>3573</b>	\$17.60
CA 30	<b>2462</b>	\$51.04				DD 35	<b>3573C</b>	\$19.17
CA 30D	<b>2464</b>	\$55.81				DA 40	<b>3573E</b>	\$35.01
CA 51S, CA 51D	<b>2466</b>	\$63.95				DA 41	<b>3573G</b>	\$37.49
CA 55D	<b>2468</b>	\$66.98				DA 48	<b>3573M</b>	\$46.92
CA 151PDB	<b>2469</b>	\$49.32				DA 50	<b>3574</b>	\$49.80
CC 10, CC 10 series II	<b>2470</b>	\$17.96						

DD 65	3574A	\$45.44	BW 220D	4250	\$52.02
DF 84	3574B	\$78.83	MIKASA	[ MIKA ]	
DS 84	3574C	\$75.35	Model	Code	Rate
DD 90	3574D	\$55.51			
DD 110	3574F	\$59.03	MDR 7DW	4404	\$4.97
DD 145	3574J	\$67.87	MDR 9G	4405	\$7.80
SPA 56	3810	\$39.94	MDR T38S	4407	\$5.12
SP 48	3880	\$35.08	MRV 10GA	4409	\$9.50
SP 48DD	3885	\$36.78	RAYGO	[ RAGO ]	
SPF 48	3890	\$39.21	Model	Code	Rate
SPF 48B	3892	\$40.49			
SP 54	4000	\$33.38	1-36 REBEL	4805	\$7.37
SP 54DD	4005	\$35.48	2-36 ROMPER	4810	\$16.09
SPA 54	4010	\$34.28	2-66 RANGER	4820	\$50.20
SPF 54	4020	\$38.31	2-84 RANGER	4830	\$65.47
SP 56	4030	\$42.06	220A RASCAL	4840	\$29.21
SP 56DD	4035	\$45.11	320A RASCAL	4876	\$36.52
SP 56DH	4037	\$56.77	320S RASCAL	4890	\$33.63
SPF 56	4040	\$46.83	400A RASCAL	5010	\$34.03
SPF 56B	4050	\$49.90	404B RUSTLER	5110	\$39.69
SPF 56DH	4080	\$58.35	410A RASCAL	5150	\$37.82
SPF 56DHB	4090	\$62.46	600A RASCAL	5220	\$45.67
SP 60	4100	\$64.55	4000 RASCAL	5235	\$46.62
SP 84	4105	\$61.84	4200 RASCAL	5236	\$52.94
SP 60DD	4110	\$89.20	4404 RUSTLER	5236E	\$18.88
SPF 60	4120	\$95.68	RAMMAX	[ RAMX ]	
SPF 60B	4130	\$103.27	Model	Code	Rate
SPF 60C	4132	\$88.73			
SPF 84	4133	\$63.65	P 33/24	4605	\$13.04
SPF 84B	4134	\$68.37	P 33/24 w/ remote	4606	\$12.29
SD 40D	4138	\$34.10	P 51	4625	\$49.95
SD 40F w/ blade	4138FB	\$37.26	S 51	4630	\$21.97
SD 70	4139	\$38.86	P 47	5290	\$23.73
SD 100	4140	\$51.39	SAKAI	[ SAKI ]	
SD 100D	4140D	\$62.66	Model	Code	Rate
SD 100F	4140F	\$63.24			
SD 115D	4141D	\$72.66	SV 70	8025	\$33.65
SD 150D	4143D	\$78.62	SV 70D	8026	\$36.73
KOEHRING-BOMAG	[ KOBO ]		SV 91	8050	\$47.47
Model	Code	Rate	SV 91D	8051	\$49.91
BW 120AC	4168E	\$19.28	SV 200D	8060	\$27.12
BW 120AD	4169	\$19.33	TAMPO	[ TAMP ]	
BW 121AD	4193	\$17.06	Model	Code	Rate
BW 130AD	4193E	\$21.23			
BW 140AD	4194	\$33.77	RP 16D (HD)	5990	\$34.66
BW 141AC	4194B	\$38.59	RP 28D	5995	\$45.37
BW 141AD	4194E	\$31.86	RP 48D	6110	\$51.41
BW 142D	4194H	\$26.16	RP 58D	6115	\$52.90
BW 172	4212	\$29.81	RS 16 (HD)	6170	\$31.60
BW 172D	4212E	\$32.82	RS16A (HD)	6180	\$33.68
BW 213D	4237	\$49.44	RS 16D (HD)	6185	\$34.21
BW 214D	4238	\$61.94	RS 28C	6315	\$41.00
BW 215D	4240	\$57.93	RS 28D	6320	\$42.29
BW 217D	4242	\$73.87			

RS 156A	<b>6340</b>	\$37.46
RS 166A	<b>6350</b>	\$47.56
RS 188A	<b>6370</b>	\$57.31
RS 210	<b>6400</b>	\$46.87

#### WACKER

[ WACK ]

<u>Model</u>	Code	Rate
R 900	<b>7850</b>	\$11.03
R 1000	<b>7855</b>	\$18.63
W 55T	<b>7860</b>	\$7.41
W 74L, W 74T	<b>7880</b>	\$7.27
W 74	<b>7890</b>	\$6.92
W 75	<b>7900</b>	\$5.99
WDH 84	<b>7910</b>	\$10.36
WDH 86-110	<b>7912</b>	\$13.89
WHK 90, WHK 90L	<b>7915</b>	\$12.05

### SHOVELS & CRANES, CRAWLER [ S&CCL ]

**DELAY FACTOR = 0.33 OVERTIME FACTOR = 0.71**

Includes all attachments and accessories when used as a crane, clamshell, dragline or for pile driving(not including leads or driving equipment).

#### LINK-BELT

[ L-B ]

<u>Model</u>	Code	Rate
LS 78	<b>4702</b>	\$49.14
LS 78 pipeliner	<b>4724</b>	\$51.34
LS 98	<b>4826</b>	\$51.43
LS 98 pipeliner	<b>4852</b>	\$57.54
LS 98A	<b>4924</b>	\$52.56
LS 108B	<b>4980</b>	\$62.53
LS 108D	<b>4981</b>	\$88.93
LS 118	<b>4998</b>	\$84.51
LS 218H	<b>5010</b>	\$144.69
LS 318	<b>5012</b>	\$86.39
LS 338	<b>5020</b>	\$98.51
LS 518	<b>5124</b>	\$146.94

#### MANITOWOC

[ MTWC ]

<u>Model</u>	Code	Rate
2900 WC	<b>5764</b>	\$68.79
3000 W	<b>5812</b>	\$67.51
3900B (100 ton)	<b>6036</b>	\$116.51
3900 W VICON series 2	<b>6132</b>	\$199.78
4000 W VICON	<b>6180</b>	\$151.44
4100 W VICON series 1	<b>6196</b>	\$238.70
4600 VICON series 1	<b>6328</b>	\$383.77
4600 VICON series 3	<b>6332</b>	\$387.22

#### P&H

[ P&H ]

<u>Model</u>	Code	Rate
535	<b>7716</b>	\$65.36
550	<b>7748</b>	\$71.83
670 WLC	<b>7892</b>	\$91.10

### SHOVELS & CRANES, TRUCK MOUNTED [ S&CTK ]

**DELAY FACTOR = 0.35 OVERTIME FACTOR = 0.69**

Includes truck/carrier. Includes all attachments and accessories when used as a crane, clamshell, dragline or for pile driving(leads and driving equipment not included).

#### AMERICAN HOIST & DERRICK

[ AMHD ]

<u>Model</u>	Code	Rate
5470	<b>1015</b>	\$88.54
5530	<b>1080</b>	\$130.38
7450	<b>1130</b>	\$61.37
7460	<b>1140</b>	\$110.19
7530	<b>1170</b>	\$121.46
8460	<b>1178</b>	\$162.75
8470	<b>1179</b>	\$240.72

#### LINK-BELT

[ L-B ]

<u>Model</u>	Code	Rate
HC 48A	<b>4332</b>	\$46.71
HC 108B	<b>4960</b>	\$45.22
HC 108C	<b>4970</b>	\$96.42
HC 138	<b>4992</b>	\$62.85
HC 138A	<b>4995</b>	\$153.04
HC 218	<b>5050</b>	\$76.65
HC 218A	<b>5051</b>	\$147.02
HC 228H	<b>5054</b>	\$176.17
HC 238A, 238B	<b>5065</b>	\$161.60

#### P&H

[ P&H ]

<u>Model</u>	Code	Rate
440 TC	<b>7240</b>	\$65.70
650A TC	<b>7720</b>	\$90.21
670 TC	<b>7790</b>	\$94.22
790 TC	<b>7880</b>	\$77.50
8115A TC	<b>7950</b>	\$110.47

### SANBLASTING EQUIPMENT [ SANBL ]

**DELAY FACTOR = 0.55 OVERTIME FACTOR = 0.48**

Includes helmets, gauntlets, 30.5 meters(100 feet) of hose, pot, all control valves, nozzles and other attachments and accessories. Rated in accordance with the capacity of the pot measured in kilograms(pounds)of sand.

#### REMOTE CONTROL ONLY

[ REMC ]

<u>OVER</u>	<u>TO</u>	Code	Rate
45 (100)	159 (350)	<b>010-035</b>	\$1.18
159 (350)	272 (600)	<b>035-060</b>	\$1.56
272 (600)	454 (1000)	<b>060-100</b>	\$1.58
454 (1000)	680 (1500)	<b>100-150</b>	\$1.99
680 (1500)	907 (2000)	<b>150-200</b>	\$2.21



## SAWS, CHAIN AND EARTH AUGER [ SAWCH ] ATTACHMENT

**DELAY FACTOR = 0.21      OVERTIME FACTOR = 0.80**

Hand held type, one or two man, gas, air or electric powered including all attachments and accessories. Blades, chains and tips shall be paid separately. Saws which cost less than \$500 are considered minor tools and are no longer listed. Rated in accordance with Mfr's kilowatts (horsepower).

### SAWS [ SAW ]

<u>Model</u>		Code	Rate
>3.7 (5)	30 amps @ 120V	<b>5-HP</b>	\$1.17

## SAWS, CONCRETE AND MASONRY [ SAWCO ]

**DELAY FACTOR = 0.24      OVERTIME FACTOR = 0.77**

Self powered gas, air or electric powered. Includes water ( but not water truck or trailer), coolant, cutting compounds and all attachments and accessories. Saw blades or abrasive discs shall be paid in accordance with the following sawkerf codes.

### SINGLE & MULTI-BLADE [ ABOP ] OPERATION

Listed in accordance with Mfr's rated kilowatts (horsepower).

<u>OVER</u>	<u>TO</u>	Code	Rate
0	7.5 (10)	<b>0-10</b>	\$1.65
7.5 (10)	14.9 (20)	<b>10-20</b>	\$3.55
14.9 (20)	24.6 (33)	<b>20-33</b>	\$7.01
24.6 (33)	33.6 (45)	<b>33-45</b>	\$8.06
33.6 (45)	48.5 (65)	<b>45-65</b>	\$10.15

### BLADE SAWKERF [ ABSK ]

The following allowance is entered on the extra work bill by using the length x depth per blade.

<u>UNITS</u>	Code	Rate
Rate /blade/ 30.5 m (100 lin ft) / 25 mm (inch) depth	<b>100'/IN</b>	\$17.00
Rate/blade/ 0.3 m (lin ft) / 25 mm (inch) depth	<b>LF-INDE</b>	\$0.17

## SCRAPERS, SELF PROPELLED [ SCRSP ]

**DELAY FACTOR = 0.29      OVERTIME FACTOR = 0.73**

Includes all attachments and accessories.

### CATERPILLAR [ CAT ]

<u>Model</u>	Code	Rate
613	<b>1395</b>	\$31.79
613B	<b>1400</b>	\$40.94
613C	<b>1402</b>	\$54.90
615	<b>1415</b>	\$73.19
615C	<b>1416</b>	\$82.36
621B cushion hitch	<b>1680</b>	\$89.63
623B	<b>1700</b>	\$95.32
623E	<b>1702</b>	\$120.62
623F	<b>1703</b>	\$130.45
627B push pull	<b>1770</b>	\$115.19
627E non push-pull	<b>1772</b>	\$131.95

627E push-pull	<b>1773</b>	\$136.94
631C 67M5012 serial	<b>2170</b>	\$91.11
631D	<b>2180</b>	\$131.36
631E	<b>2185</b>	\$157.04
633C non cushion hitch	<b>2305</b>	\$83.69
633C cushion hitch	<b>2315</b>	\$83.63
633C 66M693 serial	<b>2320</b>	\$96.71
633D	<b>2330</b>	\$141.78
637 cushion, non-push-pull	<b>2375</b>	\$126.97
637 non-cushion, push-pull	<b>2410</b>	\$129.30
637D non push-pull	<b>2460</b>	\$178.75
637D push-pull	<b>2470</b>	\$182.89
639D	<b>2475</b>	\$193.07
637E	<b>2476</b>	\$214.47
637E push-pull	<b>2477</b>	\$220.18
641B non cushion hitch	<b>2620</b>	\$104.36
641B cushion hitch	<b>2655</b>	\$150.55
651B non cushion hitch	<b>2935</b>	\$156.62
651B cushion hitch	<b>2970</b>	\$159.21
651E	<b>2975</b>	\$215.70
657B non cushion, non p-p	<b>3360</b>	\$226.24
657B cushion, push-pull	<b>3370</b>	\$233.04
657E non push-pull	<b>3375</b>	\$295.34
657E push-pull	<b>3380</b>	\$306.04
660B	<b>3470</b>	\$133.07
666B	<b>3600</b>	\$192.04

### JOHN DEERE

### [ DEER ]

<u>Model</u>	Code	Rate
JD 760A	<b>3845</b>	\$30.75
JD 762	<b>3860</b>	\$41.94
JD 762A	<b>3865</b>	\$46.35
JD 762B	<b>3866</b>	\$59.77
JD 860A	<b>3920</b>	\$47.53
JD 860B	<b>3930</b>	\$50.44
JD 862	<b>3940</b>	\$64.59
JD 862B	<b>3942</b>	\$87.45

### INTERNATIONAL

### [ INTL ]

<u>Model</u>	Code	Rate
412B	<b>5631</b>	\$44.92
431B	<b>5637</b>	\$88.05
433B	<b>5643</b>	\$118.84

### TEREX

### [ TERX ]

<u>Model</u>	Code	Rate
S 11EB	<b>8245</b>	\$33.07
S 23E 33TOT-H-93SH, elev	<b>8250</b>	\$86.61
S 24 49LOT-76SH serial	<b>8260</b>	\$102.41
S 24B 023-024 serial	<b>8270</b>	\$135.95
S 24C	<b>8275</b>	\$158.31

<b>WABCO</b>			<b>[ WAB ]</b>		
<u>Model</u>		Code		Rate	
101F		<b>8570</b>		\$34.49	
101G		<b>8575</b>		\$40.29	
111A		<b>8640</b>		\$35.42	
222G		<b>8700</b>		\$70.67	
222H		<b>8704</b>		\$85.19	

<b>TRACTORS, CRAWLER</b>	<b>[ TRACC ]</b>
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**DELAY FACTOR = 0.30      OVERTIME FACTOR = 0.71**

Includes all attachments and accessories such as dozer blade and power control blocks when needed, but does not include backhoe, winch or ripper units listed elsewhere in this schedule.

<b>CASE</b>			<b>[ CASE ]</b>		
<u>Model</u>		Code		Rate	
350		<b>1820</b>		\$13.48	
350B		<b>1825</b>		\$15.70	
450		<b>1868</b>		\$13.28	
450B		<b>1869</b>		\$16.78	
450C		<b>1869E</b>		\$17.93	
475		<b>1870</b>		\$23.05	
550		<b>2000</b>		\$18.40	
650		<b>2100</b>		\$21.45	
850		<b>2128</b>		\$16.91	
850B		<b>2130</b>		\$19.31	
850C		<b>2135</b>		\$22.44	
850D		<b>2140</b>		\$23.89	
1150B		<b>2250</b>		\$26.31	
1150C		<b>2255</b>		\$32.28	
1150D		<b>2257</b>		\$32.67	
1150E		<b>2258</b>		\$34.31	

<b>CATERPILLAR</b>			<b>[ CAT ]</b>		
<u>Model</u>		Code		Rate	
D-3		<b>2340</b>		\$14.88	
D-3B		<b>2345</b>		\$17.65	
D-3 LGP		<b>2350</b>		\$15.54	
D-3B LGP		<b>2355</b>		\$18.96	
D-3B SA		<b>2370</b>		\$18.92	
D-3C		<b>2380</b>		\$19.36	
D4C Series III		<b>2450</b>		\$25.81	
D-4D		<b>2655</b>		\$17.82	
D-4E direct drive		<b>2660</b>		\$20.06	
D-4E power shift		<b>2665</b>		\$21.41	
D-4H		<b>2670</b>		\$26.90	
D-4H LGP		<b>2675</b>		\$28.29	
D-4H Series II		<b>2680</b>		\$28.20	
D-4E SA		<b>2772</b>		\$22.29	
D-4E LGP power shift		<b>2780</b>		\$21.61	
D-4E LGP direct drive		<b>2782</b>		\$21.61	
D-5		<b>3194</b>		\$26.50	
D-5B power shift		<b>3206</b>		\$30.11	

D-5B SA	<b>3325</b>	\$31.08
D-5B LGP	<b>3345</b>	\$32.89
D-5C	<b>3346</b>	\$27.91
D-5H	<b>3347</b>	\$37.65
D-5H Series II	<b>3348</b>	\$41.77
D-5H LGP	<b>3350</b>	\$40.98
D-6C direct drive	<b>3645</b>	\$33.18
D-6C power shift	<b>3688</b>	\$33.84
D-6C LGP	<b>3710</b>	\$36.43
D-6D	<b>3720</b>	\$43.69
D-6D SA	<b>3725</b>	\$48.51
D-6D LGP	<b>3730</b>	\$45.74
D-6H	<b>3732</b>	\$49.71
D-6H Series II	<b>3733</b>	\$54.70
D-6H LGP	<b>3735</b>	\$54.48
D-6M LGP	<b>3745</b>	\$52.54
D-6R DS	<b>3800</b>	\$59.02
D-6R XL	<b>3815</b>	\$64.04
D-7G	<b>4180</b>	\$69.25
D-7G LGP	<b>4200</b>	\$67.15
D-7G SA	<b>4210</b>	\$64.55
D-7H	<b>4215</b>	\$71.33
D-7H Series II	<b>4216</b>	\$81.11
D-7H LGP	<b>4220</b>	\$78.11
D-8K	<b>4858</b>	\$84.17
D-8L	<b>4862</b>	\$109.42
D-8L SA	<b>4863</b>	\$106.34
D-8N	<b>4864</b>	\$98.99
D-8R	<b>4870</b>	\$110.68
D-9H	<b>5160</b>	\$108.75
D-9L	<b>5165</b>	\$139.81
D-9N	<b>5170</b>	\$127.71
D-10	<b>5220</b>	\$215.93
D-10N	<b>5225</b>	\$179.65
D-10R	<b>5227</b>	\$204.37
D-11N	<b>5230</b>	\$290.43

<b>JOHN DEERE</b>			<b>[ DEER ]</b>		
<u>Model</u>		Code		Rate	
JD 350C	<b>5360</b>	\$15.75			
JD 350D	<b>5365</b>	\$17.18			
JD 400G	<b>5405</b>	\$16.86			
JD 450C	<b>5474</b>	\$17.67			
JD 450D	<b>5476</b>	\$18.50			
JD 450E	<b>5478</b>	\$18.17			
JD 450G	<b>5479</b>	\$21.15			
JD 550	<b>5480</b>	\$20.38			
JD 550A	<b>5481</b>	\$22.09			
JD 550B	<b>5483</b>	\$20.78			
JD 550G	<b>5484</b>	\$24.72			
JD 650G	<b>5484A</b>	\$27.73			
JD 750	<b>5485</b>	\$32.66			
JD 750B	<b>5486</b>	\$35.76			
JD 750 LGP	<b>5487</b>	\$35.74			
JD 750B LGP	<b>5488</b>	\$41.62			

JD 850	<b>5490</b>	\$42.37
JD 850B	<b>5491</b>	\$48.31
JD 850 LGP	<b>5492</b>	\$47.34
JD 850B LGP	<b>5495</b>	\$52.61

#### DRESSER

[ DRES ]

<u>Model</u>	Code	Rate
TD 7E	<b>9100</b>	\$18.74
TD 7G	<b>9102</b>	\$21.54
TD 8E	<b>9105</b>	\$23.25
TD 8G	<b>9107</b>	\$26.22
TD 12	<b>9110</b>	\$34.17
TD 12 LGP	<b>9115</b>	\$39.22
TD 15C	<b>9120</b>	\$51.95
TD 15E	<b>9122</b>	\$60.45
TD 15C LGP	<b>9125</b>	\$49.73
TD 20E	<b>9130</b>	\$63.85
TD 20G	<b>9135</b>	\$83.05
TD 20G LGP	<b>9137</b>	\$94.18
TD 25E	<b>9139</b>	\$87.64
TD 25G	<b>9140</b>	\$121.76

#### FIAT-ALLIS

[ F-A ]

<u>Model</u>	Code	Rate
10C	<b>6043</b>	\$37.90
10C LGP	<b>6044</b>	\$38.82
14C	<b>6048</b>	\$47.43
FD 20	<b>6056</b>	\$76.58
21C	<b>6060</b>	\$73.62
FD 30	<b>6060E</b>	\$92.16
31	<b>6061</b>	\$119.71
FD 40	<b>6061E</b>	\$146.10

#### KOMATSU

[ KOMA ]

<u>Model</u>	Code	Rate
D 21P-6	<b>7965</b>	\$18.16
D 31A-16	<b>7970</b>	\$16.28
D 31A-17	<b>7972</b>	\$18.86
D 31E-17	<b>7976</b>	\$19.27
D 31E-18	<b>7977</b>	\$21.82
D 31P-16	<b>7980</b>	\$16.69
D 31P-17	<b>7981</b>	\$19.63
D 31P-17B	<b>7981E</b>	\$20.35
D 58E-1	<b>8003</b>	\$39.29
D 58P-1	<b>8003H</b>	\$47.08
D 65E-6	<b>8070</b>	\$43.79
D 65E-7, E-8	<b>8072</b>	\$51.24
D 65P-6	<b>8080</b>	\$46.65
D 65P-7 / D 65P-8	<b>8082</b>	\$54.88
D 68P-1	<b>8083</b>	\$61.15
D 68E-1	<b>8085</b>	\$55.68
D 83E-1	<b>8087</b>	\$72.49
D 83P-1	<b>8088</b>	\$73.94
D 85P-18	<b>8090</b>	\$78.47

D 85A-18	<b>8114</b>	\$60.20
D 85E-12	<b>8120</b>	\$50.59
D 85E-18	<b>8140</b>	\$71.10
D 135A-1	<b>8150</b>	\$90.81
D 155A-1	<b>8160</b>	\$107.85
D 155A-2	<b>8161</b>	\$107.47
D 375A-1	<b>8175</b>	\$171.40
D 375A-2	<b>8176</b>	\$202.76
D 455A-1	<b>8180</b>	\$211.03
D 475A-2	<b>8186</b>	\$324.04

#### TRACTORS, HEAVY

[ TRACH ]

**DELAY FACTOR = 0.29      OVERTIME FACTOR = 0.74**

Includes all attachments and accessories such as dozer blade, power control units and push blocks, when needed, but does not include backhoe, winch or ripper units listed elsewhere in this schedule.

#### CATERPILLAR

[ CAT ]

<u>Model</u>	Code	Rate
814	<b>1400</b>	\$59.93
814B	<b>1410</b>	\$98.28
824B	<b>1720</b>	\$88.66
824C	<b>1730</b>	\$124.99
834B	<b>2010</b>	\$194.64

#### TRACTORS, RUBBER TIRE, INDUSTRIAL, [ TRACS ] FARM & SKID STEER

**DELAY FACTOR = 0.21      OVERTIME FACTOR = 0.80**

#### 37.3 kW (50 HP) OR LESS

[ <50 ]

Including, but not limited to the following:

Bobcat--440B, 443B, 450, 453, 542B, 543B, 553, 742B, 743B, 753, 763, 773, 1840, 7753

Case-- 1818, 1825, 1835C, 1838

Deere-- 3375, 4475, 5200, 5575, 6675, 7775

Ford-- L250, L454, L455, L553, L555, L781

Gehl-- SL3310, SL3410, SL3725, SL3825, SL4525, SL4625

Hydra-Mac-- 1300, 1600, 1700D

JCB-- 165Robot, 165Robot Ser II

Massey-Ferguson-- MF30E

Mahto-- LS70, LS75, L933

Mustang-- 920, 920E, 921, 930A, 930AE, 940, 940E, 910, 911, 2040

New Holland-- 1220, 1320, 1620, 1920, 2120, 3415, 3930, L250, L255, L465, LX465, LX485, L565, LX565, LX665

Ramrod-- 230B, 300B, 584B, 784B, 550, 750, 1350, 1550

Thomas-- T-82, T-83, T-83S, T-103, T-132, T-133, T-133S

Trak-- 1300HD, 1300C, 1300CX, 1500C

<u>Model</u>	Code	Rate
with loader or dozer	<b>A</b>	\$11.07
auger, w/ or w/o loader or dozer	<b>B</b>	\$11.39
backhoe, w/ or w/o loader or dozer	<b>C</b>	\$12.55

**OVER 37.3 kW (50 HP) [ >50 ]**

Including, but not limited to the following:

Bobcat-- 853, 863, 873, 943, 953, 980

Case-- 1845C

Deere-- 5300, 5400, 6200, 6300, 6400, 8875

Ford-- L783, L785, 250C, 260C

Gehl-- SL5625, SL6625, SL6635

Hydra-Mac-- 1850, 2650, 2650D

JCB-- 185Robot

Massey-Ferguson-- MF40E, MF50EX

Mustang-- 960, 2060

New Holland-- 4630, 5030, 5640, 6640, 7740, 7840, 8240, 8340, L865,

LX865, LX885, 345D, 545D

Ramrod-- 1750, 1950

Thomas-- T-173HL, T-173HLS, T173HLS II, T-203HD, T-233HD

Trak-- 1700HD, 1700C, 1700CX, 1700XHP

<u>Model</u>	<u>Code</u>	<u>Rate</u>
with loader or dozer	<b>A</b>	\$15.88
auger, w/ or w/o loader or dozer	<b>B</b>	\$16.24
backhoe, w/ or w/o loader or dozer	<b>C</b>	\$17.45

<b>TRAFFIC CONTROL &amp; SAFETY DEVICES [ TRAF A ]</b> <b>(HOURLY RATES)</b>
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**DELAY FACTOR = 0.43 OVERTIME FACTOR = 0.61****CHANGEABLE MESSAGE SIGN [ CMSN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Generator	<b>GEN1</b>	\$9.37
Generator w/ cell remote	<b>GEN2</b>	\$10.35
Solar	<b>SOL1</b>	\$7.54
Solar w/ cell remote	<b>SOL2</b>	\$8.52

**FLASHING ARROW SIGN [ FLAS ]**

Including supplies, replacements and servicing.

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Roof mounted	<b>RM</b>	\$0.67
Trailer mounted	<b>TM</b>	\$1.88

<b>TRAFFIC CONTROL &amp; SAFETY DEVICES [ TRAF C ]</b> <b>(DAILY RATES)</b>
--

**DELAY FACTOR = 0.73 OVERTIME FACTOR = 1.00**

Includes supplies and servicing. The following allowance is entered on the extra work by using days instead of hours worked. Crash cushion barrels and K-rail sections are now listed with Non-Operated items[NONOP].

**(1) BARRICADES [ 1BAR ]**

(A) 750 mm to 900 mm high &amp; 600 mm to 900 mm wide (30 to 36 inches high &amp; 24 to 36 inches wide)

(B) 1500 mm high by 1200 mm wide min. (60" high by 48" wide min.)

<u>Model</u>	<u>Code</u>	<u>Rate</u>
each with flasher	<b>A1</b>	\$0.34
each without flasher	<b>A2</b>	\$0.18
each	<b>B3</b>	\$0.77

**(2) TRAFFIC CONES [ 2TC ]**

Lost or destroyed are no longer paid on invoice.

<u>Model</u>	<u>Code</u>	<u>Rate</u>
450 mm (18") high, per 100	<b>A100</b>	\$6.21
700 mm (28") high, per 100	<b>B100</b>	\$10.83

700 mm (28") high w/ refl sleeve, per 100 **D100** \$16.661,050 mm (42") high w/ refl sleeve, per 100 **E100** \$27.71**(3) PORTABLE DELINEATOR [ 3DEL ]**

Lost or destroyed are no longer paid on invoice.

<u>Model</u>	<u>Code</u>	<u>Rate</u>
per 100	<b>100</b>	\$17.76

**(4) ILLUMINATED SIGNS [ 4SIG ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
incl 900 mm x900 mm (3'x3') sign & batteries	<b>12V</b>	\$4.28

**(5) FLASHING BEACON [ 5BEA ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
portable 12 volt	<b>12V</b>	\$4.37

**(6) FLAG/SIGN STAND [ 6FSS ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
incl sign, stand & 3 flags	<b>EACH</b>	\$1.98

**(7) DELINEATOR DRUM [ 7DDR ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Del. drum w/ base per 100	<b>100</b>	\$43.77

<b>TRAILERS, EQUIPMENT, LOW BED [ TRAIL ]</b>
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**DELAY FACTOR = 0.47 OVERTIME FACTOR = 0.58**

Includes all attachments and accessories related to hauling. The rates cover drop deck type with and without folding/removable gooseneck or oscillating trunion. Pilot vehicles are extra. Listed in accordance with number of axles and tires per axle. Includes jeeps, booster axles, and dollies. All loads shall be hauled legally or within Caltrans Permit Policy.

**LOW BED A [ LB-A ]**

2 axle

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4 Tires per axle	<b>100</b>	\$11.16
8 Tires per axle	<b>200</b>	\$14.07

**LOW BED B [ LB-B ]**

3 axle

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4 Tires per axle	<b>300</b>	\$14.95
8 Tires per axle	<b>400</b>	\$17.32

**LOW BED C [ LB-C ]**

4 axle

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4 Tires per axle	<b>500</b>	\$24.06
8 Tires per axle	<b>600</b>	\$29.87

**LOW BED D [ LB-D ]**

6 axle

<u>Model</u>	<u>Code</u>	<u>Rate</u>
8 Tires per axle	<b>700</b>	\$47.80

## TRAILERS, EQUIPMENT, TILT BED [ TRAIT ]

**DELAY FACTOR = 0.47      OVERTIME FACTOR = 0.58**

Includes all attachments and accessories related to hauling. Pilot vehicles are extra. Listed in accordance with the Mfr's rated capacity in tonnes(tons).

TILT BED 1 AXLE [ TB-1 ]			
OVER	TO	Code	Rate
0	1.8 (2)	<b>00-02</b>	\$0.60
1.8 (2)	3.6 (4)	<b>02-04</b>	\$0.64

TILT BED 2 AXLES [ TB-2 ]			
OVER	TO	Code	Rate
3.6 (4)	5.4 (6)	<b>04-06</b>	\$1.06
7.3 (8)	9.1 (10)	<b>08-10</b>	\$3.28
9.1 (10)	10.9 (12)	<b>10-12</b>	\$3.78
10.9 (12)	12.7 (14)	<b>12-14</b>	\$4.26
12.7 (14)	14.5 (16)	<b>14-16</b>	\$4.73
14.5 (16)	16.3 (18)	<b>16-18</b>	\$4.58
16.3 (18)	18.1 (20)	<b>18-20</b>	\$4.42
18.1 (20)	20.0 (22)	<b>20-22</b>	\$5.06
20.0 (22)	22.7 (25)	<b>22-25</b>	\$4.93

## TRENCHING MACHINES [ TRENC ]

**DELAY FACTOR = 0.23      OVERTIME FACTOR = 0.80**

Includes all attachments and accessories. When used, tungsten carbide tips shall be replaced by separate invoice.

BOBCAT [ BCAT ]			
Model		Code	Rate
T 116		<b>2000</b>	\$6.01
T 135		<b>2010</b>	\$14.29
T 136		<b>2020</b>	\$14.63
T 208		<b>2030</b>	\$3.24
3022		<b>2040</b>	\$15.10

CASE [ CASE ]			
Model		Code	Rate
TL 70		<b>9051</b>	\$2.42
TL 100		<b>9053</b>	\$3.51
TL 120		<b>9055</b>	\$4.27
TL 200		<b>9070</b>	\$4.44
16+4		<b>9120</b>	\$7.09
25+4		<b>9170</b>	\$9.88
25 + 4 XP		<b>9171</b>	\$12.49
30+4 standard		<b>9224</b>	\$14.47
DH 4		<b>9255</b>	\$18.25
DH 4B		<b>9256</b>	\$20.11
DH 5		<b>9257</b>	\$20.11
DH 5 QUAD		<b>9259</b>	\$22.42
DH 7		<b>9261</b>	\$23.53
360		<b>9263</b>	\$16.61

ROAD RUNNER 380	<b>9277</b>	\$18.88
TF 300	<b>9374</b>	\$10.74
TF 700	<b>9398</b>	\$11.88
TF 800	<b>9405</b>	\$15.54
TF 1000	<b>9460</b>	\$21.03
760	<b>9465</b>	\$22.93

DITCH WITCH [ D-W ]			
Model		Code	Rate
R 30		<b>5390</b>	\$12.06
R 36D		<b>5400</b>	\$14.03
R 40		<b>5432</b>	\$16.55
R 65		<b>5556</b>	\$16.63
R 100		<b>5565</b>	\$53.94
V 30		<b>5618</b>	\$10.86
1410		<b>5620</b>	\$4.61
1420		<b>5625</b>	\$5.30
1500		<b>5630</b>	\$3.38
1620		<b>5635</b>	\$6.78
1810		<b>5640</b>	\$7.14
2020		<b>5645</b>	\$9.93
2200		<b>5650</b>	\$8.92
2300		<b>5660</b>	\$13.09
2310		<b>5662</b>	\$13.51
3210		<b>5670</b>	\$15.79
3210 Combo		<b>5675</b>	\$16.66
3500		<b>5676</b>	\$18.86
4010		<b>5677</b>	\$22.14
4010 Combo		<b>5678</b>	\$20.10
5010		<b>5679</b>	\$18.77
6510		<b>5680</b>	\$23.83
6510 Combo		<b>5685</b>	\$27.08

MIDMARK [ MDMK ]			
Model		Code	Rate
300 A		<b>7945</b>	\$11.91
321		<b>7950</b>	\$13.23
400 A		<b>7955</b>	\$15.83
440		<b>7960</b>	\$21.09

VERMEER [ VERM ]			
Model		Code	Rate
M 220		<b>8380</b>	\$7.93
M 455 / M455A		<b>8480</b>	\$24.42
M 475		<b>8570</b>	\$26.73
M 475A		<b>8571</b>	\$28.27
M 485		<b>8580</b>	\$31.58
M 495		<b>8585</b>	\$46.31
T 300B, T 300A		<b>8718</b>	\$13.22
T 400C, T 400B, T 400A		<b>8781</b>	\$35.56
T 600D, C, B, A		<b>8842</b>	\$52.39
T 650		<b>8843</b>	\$92.50
T 800B, T 800A, T800		<b>8870</b>	\$85.49
T 800C		<b>8871</b>	\$92.55

T 850	<b>8875</b>	\$157.26
V 430	<b>8950</b>	\$15.59
V 430A	<b>8951</b>	\$17.98
V 434 / M 434	<b>9000</b>	\$14.98
V 440	<b>9015</b>	\$18.16
V 450	<b>9017</b>	\$23.51
V 454	<b>9020</b>	\$19.23
V 1550	<b>9025</b>	\$7.73

### TRUCK, TRUCK TRAILERS, EXCL. DUMP [ TRUCK ] TRUCKS & EQPT TRAIL

**DELAY FACTOR = 0.24 OVERTIME FACTOR = 0.78**

Includes all attachments and accessories related to hauling, with and without trailers as needed. Includes water trucks, freight trucks and passenger vehicles, including 4wd option. Listed by Mfr's Gross Vehicle Weight in Kilograms(pounds). For tractor-trailer units, the gross vehicle weight of the cargo carrying unit or units will control. In the case of water trucks, the tank capacity expressed in kilograms (pounds) of water plus 20%, will determine the gross vehicle weight. For attachment allowance, see attachment class.

#### TRUCKS [ T&TT ]

OVER	TO	Code	Rate
Cars, trucks 680 kg (3/4 T) & lighter		<b>00-06</b>	\$9.39
2727 (6000) 5443 (12000) No small pickups		<b>06-12</b>	\$11.61
5443 (12000) 9072 (20000)		<b>12-20</b>	\$14.76
9072 (20000) 12701(28000)		<b>20-28</b>	\$16.49
12701 (28000) 16330 (36000)		<b>28-36</b>	\$22.52
16330 (36000) 21773 (48000)		<b>36-48</b>	\$26.53
21773 (48000) 27216 (60000)		<b>48-60</b>	\$31.76
27216(60000) & Over		<b>60</b>	\$39.94

### TRUCKS, OFF-HIGHWAY [ TRUOF ]

**DELAY FACTOR = 0.35 OVERTIME FACTOR = 0.67**

Includes all attachments and accessories. Includes end dump, belly dump and earthmover types. Listed in accordance with Mfr's rated capacity in tonnes (tons). In the case of earthmover types, rated by Mfr's volumetric capacity, a factor of 1.4 tonnes per cubic meter (1-1/2 tons per cubic yard) of truck capacity shall be used.

#### TRUCK OFF-HIGHWAY [ TRU ]

OVER	TO	Code	Rate
9.1 (10)	13.6 (15)	<b>10-15</b>	\$24.90
16.3 (18)	20.0 (22)	<b>18-22</b>	\$45.82
20.0 (22)	24.5 (27)	<b>22-27</b>	\$56.53
24.5 (27)	29.0 (32)	<b>27-32</b>	\$65.10
29.0 (32)	36.3 (40)	<b>32-40</b>	\$86.77
36.3 (40)	49.9 (55)	<b>40-55</b>	\$124.13
49.9 (55)	60.8 (67)	<b>55-67</b>	\$140.35

### TRUCKS, DUMP, ON-HIGHWAY [ TRUON ]

**DELAY FACTOR = 0.27 OVERTIME FACTOR = 0.75**

Includes all end dump, side dump and belly dump types; including all attachments and accessories.

#### TRUCK ON-HIGHWAY [ TRUN ]

Model	Code	Rate
2 axles	<b>2AXL</b>	\$25.35
3 axles	<b>3AXL</b>	\$35.78
4 axles	<b>4AXL</b>	\$42.21
5 axles	<b>5AXL</b>	\$45.28

### WELDING EQUIPMENT [ WELD ]

**DELAY FACTOR = 0.28 OVERTIME FACTOR = 0.75**

#### ARC WELDING MACHINES [ AWM ]

Diesel, gas or electric powered. Includes helmets, holders, cable and all attachments and accessories. Rate capacity in amps.

OVER	TO	Code	Rate
0	250	<b>0-250</b>	\$2.55
250	500	<b>250-500</b>	\$4.81
over	500	<b>500</b>	\$5.41

#### GAS WELDING OUTFIT [ GWO ]

Includes regulator, 7.6 meters (25 feet) of hose, torch, goggles, lighter and attachments and accessories. Gas and rod shall be paid separately.

Model	Code	Rate
ALL	<b>ALL</b>	\$0.21